

CORNELL UNIVERSITY ANNOUNCEMENTS

MEDICINE

1959-1960

MEDICAL COLLEGE

CORNELL UNIVERSITY ANNOUNCEMENTS

These publications are designed to give prospective students and others information about Cornell University. The prospective student should have a copy of *General Information*; after consulting that, he may wish to write for one or more of the following Announcements:

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Undergraduate preparation in a recognized college or university is required for admission to the following Cornell divisions, for which Announcements are available: *Graduate School of Business and Public Administration, Law School, Medical College, Cornell University-New York Hospital School of Nursing, Graduate School of Nutrition, New York State Veterinary College, Graduate School.*

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CORNELL UNIVERSITY ANNOUNCEMENTS

EDMUND EZRA DAY HALL, ITHACA, NEW YORK



MEDICAL COLLEGE
ENTRANCE

CORNELL UNIVERSITY MEDICAL



F. W. Olin Hall, student residence.

CORNELL UNIVERSITY

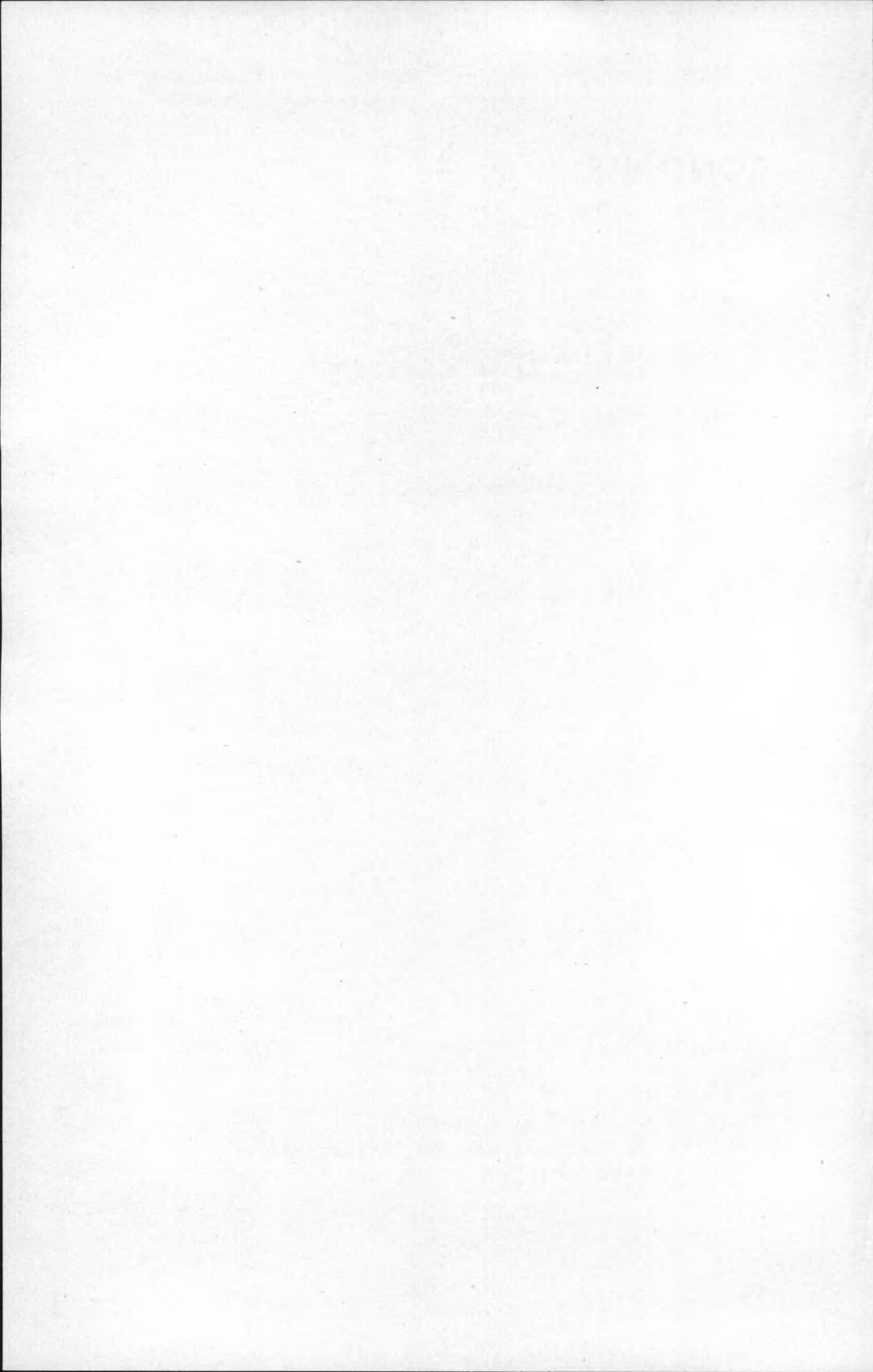
MEDICAL COLLEGE 1959-1960

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CONTENTS

CALENDAR	6
THE NEW YORK HOSPITAL—CORNELL MEDICAL CENTER	8
The College Council	9
The College Advisory Committee	9
OFFICERS OF ADMINISTRATION	10
STANDING COMMITTEES	11
FACULTY	12
GENERAL STATEMENT	34
REQUIREMENTS FOR ADMISSION AND GRADUATION	42
GENERAL INFORMATION	48
Fees, Residences, Prizes, Scholarships, Loans	48
Cornell University Medical College Alumni Association	58
EDUCATIONAL POLICIES AND PLAN OF INSTRUCTION	60
DESCRIPTION OF COURSES	
Anatomy	62
Biochemistry	63
Medicine	65
Medical Comprehensive Care	72
Microbiology and Immunology	73
Obstetrics and Gynecology	74
Pathology	78
Pediatrics	79
Pharmacology	82
Physiology and Biophysics	83
Psychiatry	84
Public Health and Preventive Medicine	86
Radiology	89
Surgery	91
SPECIAL STUDENTS	96
TABLE OF REQUIRED HOURS	97
SLOAN-KETTERING DIVISION AND FACULTY	103
INTERNSHIP APPOINTMENTS, CLASS OF 1959	108
REGISTER OF STUDENTS, 1959-1960	110
REGISTER OF MEDICAL COLLEGE AND SLOAN- KETTERING STAFFS	117
INDEX	140

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CALENDAR

1959

June 15	Registration and beginning of instruction for fourth year students, first division.
July 4	Independence Day—holiday.
August 7	Second division begins for fourth year students.
Sept. 7	Labor Day—holiday.
Sept. 11-12	Examinations for conditioned students.
Sept. 11, 12, 14	Registration for first, second, and third year students.
Sept. 14	Opening exercises, 3:30 p.m.
Sept. 15	Instruction begins for first, second, and third year classes.
Sept. 30	Third division begins for fourth year students.
Oct. 12	Columbus Day—holiday.
Nov. 23	Fourth division begins for fourth year students.
Nov. 26	Thanksgiving Day—holiday.
Dec. 1	Fall term ends for first and second year students.
Dec. 2-5	Examinations for first and second year students.
Dec. 4	Winter term begins for third year students.
Dec. 7	Winter term begins for first and second year students.
Dec. 19	Instruction ends, 1 p.m.—Christmas recess begins.
Dec. 25	Christmas Day—holiday.

1960

Jan. 1	New Year's Day—holiday.
Jan. 4	Christmas recess ends—instruction begins.
Jan. 29	Fifth division begins for fourth year students.
Feb. 22	Washington's Birthday—holiday.
Mar. 5	Winter term ends, 1 p.m.
Mar. 6-13	Spring vacation for third and fourth year students.
Mar. 7-12	Examinations for first year students.
Mar. 7-9	Examinations for second year students.
Mar. 10-17	Spring vacation for second year students.
Mar. 14	Spring term begins for first and third year students.
Mar. 18	Spring term begins for second year students.
Mar. 30	Sixth division begins for fourth year students.
April 10-17	Spring vacation for first year students.
May 20	Instruction ends for fourth year students, 5 p.m.
May 24-27	Examinations for fourth year students.
May 27	Instruction ends for third year, 5 p.m.
May 30	Memorial Day—holiday.
June 1	Commencement, 3 p.m.
June 1	Instruction ends for second year, 1 p.m.
June 1-4	Examinations for third year students.
June 4	Instruction ends for first year, 1 p.m.
June 4-9	Examinations for second year students.
June 6-8	Examinations for first year students.

THE NEW YORK HOSPITAL—CORNELL MEDICAL CENTER

THE CENTER was formed by an agreement between the Society of the New York Hospital and Cornell University in order to associate organically the hospital and the medical college and to effect a complete coordination of the medical, educational, and scientific activities of the two institutions.

The Center is operated under the supervision of a Joint Administrative Board, composed of three governors of the Society of the New York Hospital, three representatives of the Board of Trustees of Cornell University, and one other member elected by the appointed members. The Director of the New York Hospital-Cornell Medical Center is the chief executive officer of the Joint Administrative Board, composed of the following:

JOSEPH C. HINSEY, *Director*,
The New York Hospital-Cornell Medical Center

FRANCIS KERNAN, *Chairman*
ARTHUR H. DEAN
STANTON GRIFFIS

HAMILTON HADLEY
DEANE W. MALOTT
HENRY S. STURGIS

FREDERIC W. ECKER

FORM OF BEQUESTS

The Society of the New York Hospital is associated with the Cornell University Medical College, which is one of the colleges of Cornell University, under the title of "The New York Hospital-Cornell Medical Center."

Gifts or bequests should be made to the College, to the Hospital, or to the Center.

If for the College, the language may be: "I give and bequeath to Cornell University the sum of \$..... for use in connection with its Medical College in New York City." If it is desired that a gift shall be used in whole or in part for any specific purpose in connection with the College, such use may be specified.

If for the Hospital, the language may be: "I give and bequeath to the Society of the New York Hospital, the sum of \$....."

If for the Center, the language may be: "I give and bequeath to The New York Hospital-Cornell Medical Center Foundation, Inc., the sum of \$....."

THE COLLEGE COUNCIL

For the purpose of discharging its duties to the Memorial Hospital under the Douglas Deeds of Trust, the Board of Trustees is constituted as the Council of the Cornell University Medical College in New York City.

THE COLLEGE ADVISORY COMMITTEE

There is also established a Medical College Advisory Committee, which shall consist of eleven members: the President of the University, who shall be Chairman; the Director of the New York Hospital-Cornell Medical Center; four trustees to be elected by the Board of Trustees, one of whom shall be elected each year for the term of four years; the Dean of the Medical College; two members of the faculty of the Medical College, to be elected by such faculty, one each year for the term of two years; two alumni of the Medical College, one to be appointed by the Medical College Alumni Association and the other by the Board of Trustees, each for a term of one year.

The Committee at present consists of the following members:

DEANE W. MALOTT, President of the University, *Chairman*, ex officio
 JOHN E. DEITRICK, Dean of the Medical College, ex officio
 JOSEPH C. HINSEY, *Director*, The New York Hospital-Cornell Medical Center, ex officio

WILLIAM E. CORNELL	}	of the Board of Trustees
VICTOR EMANUEL		
STANTON GRIFFIS		
FREDERIC C. WOOD	}	of the Faculty
JOHN G. KIDD		
WALTER F. RIKER, JR.		
THOMAS P. ALMY	}	of the Alumni
CARLETON M. CORNELL		
EDWARD K. TAYLOR, <i>Secretary</i>		

OFFICERS OF ADMINISTRATION

DEANE W. MALOTT, *President of the University*

JOHN E. DEITRICK, *Dean of the Medical College*

LAWRENCE W. HANLON, *Associate Dean*

HENRY RENFERT, JR., *Associate Dean*

EDWARD K. TAYLOR, *Assistant Treasurer and Business Manager*

BEATRICE B. BERLE, *Counselor to Foreign Students*

ANNA F. BURKE, *Librarian*

EXECUTIVE FACULTY

DEANE W. MALOTT

JOHN E. DEITRICK

OSKAR DIETHELM

R. GORDON DOUGLAS

VINCENT DU VIGNEAUD

FRANK GLENN

LAWRENCE W. HANLON

JOSEPH C. HINSEY

JOHN G. KIDD

SAMUEL Z. LEVINE

E. HUGH LUCKEY

WALSH McDERMOTT

JAMES M. NEILL

ROBERT F. PITTS

WALTER F. RIKER, JR.

ROY C. SWAN

STANDING COMMITTEES*

ADMISSIONS

Lawrence W. Hanlon, *Chairman*

James R. McCarroll
Henry Renfert, Jr.

Alphonse E. Timpanelli
Preston A. Wade

CURRICULUM

John T. Ellis, *Chairman*

John M. Beal
Eric T. Carlson
Heinz F. Eichenwald
Elizabeth D. Hay

Harold Hempling
Donald G. Johnson
Edwin D. Kilbourne

Donald B. Melville
Walter Modell
George G. Reader
John Y. Sugg

Lawrence W. Hanlon, *ex officio*
John E. Deitrick, *ex officio*

LIBRARY

Roger L. Greif, *Chairman*

Thomas P. Almy
Harry W. Burnett
Eric T. Carlson

Frank Glenn
Veronica Lyons

John MacLeod
Julian R. Rachele

Anna F. Burke, *Librarian*

PRIZES IN RESEARCH

Walter F. Riker, Jr., *Chairman*

Thomas P. Almy

Aaron Kellner

Robert F. Watson

PROMOTION AND GRADUATION

John E. Deitrick, *Chairman*

Heads of departments, or their representatives, responsible for the more important courses of each year.

SCHOLARSHIPS

Paul Reznikoff, *Chairman*

John T. Ellis
John M. McLean

S. W. Moore
Julian R. Rachele

*The Dean is *ex officio* a member of all committees.

FACULTY*

DEANE W. MALOTT, *President of the University.*

EMERITUS PROFESSORS

DAVID P. BARR, M.D. [1916; 1957]	<i>Professor of Medicine</i>
MCKEEN CATTELL, M.D. [1924; 1959]	<i>Professor of Pharmacology</i>
RUSSELL L. CECIL, M.D. [1910; 1950]	<i>Professor of Clinical Medicine</i>
LLOYD F. CRAVER, M.D. [1934; 1959]	<i>Professor of Clinical Medicine</i>
DAYTON J. EDWARDS, Ph.D. [1918; 1950]	<i>Professor of Physiology</i>
CARY EGGLESTON, M.D. [1911; 1953]	<i>Professor of Clinical Medicine</i>
BYRON H. GOFF, M.D. [1934; 1955]	<i>Professor of Clinical Obstetrics and Gynecology</i>
CONNIE M. GUION, M.D. [1924; 1951]	<i>Professor of Clinical Medicine</i>
JAMES A. HARRAR, M.D. [1932; 1948]	<i>Professor of Clinical Obstetrics and Gynecology</i>
HELEN HARRINGTON, M.D. [1933; 1959]	<i>Professor of Clinical Pediatrics</i>
LOUIS HAUSMAN, M.D. [1923; 1959]	<i>Professor of Clinical Medicine (Neurology)</i>
ASA L. LINCOLN, M.D. [1921; 1959]	<i>Professor of Clinical Medicine</i>
WILLIAM F. MACFEE, M.D. [1936; 1958]	<i>Professor of Clinical Surgery</i>
CHARLES V. MORRILL, Ph.D. [1915; 1953]	<i>Professor of Anatomy</i>
CHARLES T. OLCOTT, M.D. [1926; 1958]	<i>Professor of Pathology</i>
EUGENE L. OPIE, M.D. [1932; 1941]	<i>Professor of Pathology</i>
GEORGE PAPANICOLAOU, M.D. [1914; 1951]	<i>Professor of Clinical Anatomy</i>
RUSSEL H. PATTERSON, M.D. [1921; 1958]	<i>Professor of Clinical Surgery</i>
BERNARD R. SAMUELS, M.D. [1914; 1952]	<i>Professor of Clinical Surgery (Ophthalmology)</i>
WILSON G. SMILLIE, M.D. [1937; 1955]	<i>Professor of Public Health and Preventive Medicine</i>
ALEXANDER R. STEVENS, M.D. [1924; 1946]	<i>Professor of Clinical Surgery (Urology)</i>
LEWIS D. STEVENSON, M.D. [1922; 1957]	<i>Professor of Clinical Medicine (Neurology)</i>
PHILIP M. STIMSON, M.D. [1919; 1956]	<i>Professor of Clinical Pediatrics</i>
MAY G. WILSON, M.D. [1918; 1959]	<i>Professor of Clinical Pediatrics</i>
PHILIP D. WILSON, M.D. [1951; 1955]	<i>Professor of Clinical Surgery (Orthopedics)</i>

PROFESSORS

- THOMAS P. ALMY, *Professor of Medicine.* Attending Physician, New York Hospital; Associate Attending Physician, Memorial Hospital; Director and Visiting Physician, Second Medical Division, Bellevue Hospital. (A.B. 1935, M.D. 1939, Cornell. [1940; 1957])
- JOSEPH F. ARTUSIO, JR., *Professor of Anesthesiology in Surgery; Professor of Anesthesiology in Obstetrics and Gynecology.* Anesthesiologist-in-Charge, New York Hospital. (B.S. 1939, St. Peter's; M.D. 1943, Cornell. [1946; 1957])

*The figures in brackets following the name of each faculty member indicate the date of original appointment and the year of induction into present rank.

- LEONA BAUMGARTNER, *Professor of Public Health and Preventive Medicine; Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1923, M.A. 1925, Kansas; Ph.D. 1932, M.D. 1934, Yale. [1935; 1958])
- ALEXANDER BRUNSCHWIG, *Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (B.A. 1923, M.S. 1924, University of Chicago; M.D. 1926, Rush. [1947])
- JOSEPH H. BURCHENAL, *Professor of Medicine*. Attending Physician, Memorial Hospital. (M.D. 1937, University of Pennsylvania. [1949; 1952])
- HERBERT CONWAY, *Professor of Clinical Surgery (Plastic Surgery)*. Attending Surgeon in Charge of Plastic Surgery, New York Hospital; Visiting Surgeon (Plastic Surgery). Bellevue Hospital. (M.B. 1928, B.S., M.D., 1929, M.S. 1932, Cincinnati. [1932; 1955])
- JOHN E. DEITRICK, *Dean; Professor of Medicine*. Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1929, Princeton; M.D. 1933, Johns Hopkins. [1935; 1957])
- EDWARD H. DENNEN, *Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1919, Tufts. [1933; 1958])
- OSKAR DIETHELM, *Professor of Psychiatry*. Psychiatrist-in-Chief, New York Hospital. (Stateexamen 1922, U. of Zurich; M.D. 1923, U. of Berne. [1936])
- R. GORDON DOUGLAS, *Professor of Obstetrics and Gynecology*. Obstetrician-and-Gynecologist-in-Chief, New York Hospital. (M.D.C.M. 1924, McGill. [1932; 1949])
- VINCENT DU VIGNEAUD, *Professor of Biochemistry*. (B.S. 1923, M.S. 1924, Illinois; Ph.D. 1927, Rochester. [1938])
- JOHN A. EVANS, *Professor of Radiology*. Radiologist-in-Chief, New York Hospital. (B.S. 1931, New York University; M.D. 1935, Cornell. [1937; 1953])
- CLAUDE E. FORKNER, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1922, M.A. 1923, University of California; M.D. 1926, Harvard. [1938; 1953])
- RICHARD H. FREYBERG, *Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital; Attending Physician, Hospital for Special Surgery. (A.B. 1926, M.D. 1930, M.S. 1934, Univ. of Michigan. [1944; 1957])
- FRANK GLENN, *Lewis Atterbury Stimson Professor of Surgery*. Surgeon-in-Chief, New York Hospital. (M.D. 1927, Washington University. [1932; 1947])
- HARRY GOLD, *Professor of Clinical Pharmacology*. (A.B. 1919, M.D. 1922, Cornell. [1922; 1947])
- PHYLLIS GREENACRE, *Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (B.S. 1913, U. of Chicago; M.D. 1916, Rush. [1932; 1933])
- JOSEPH C. HINSEY, *Professor of Neuroanatomy*. Director, New York Hospital-Cornell Medical Center. (B.S. 1922, M.S. 1923, Northwestern; Ph.D. 1927, Washington University; Sc.D. 1951, Northwestern. [1936; 1956])
- CRANSTON W. HOLMAN, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital; Director, Second Surgical Division, Bellevue Hospital. (A.B. 1927, M.D. 1931, Stanford. [1932; 1958])
- WILLIAM T. INGRAM, *Visiting Professor of Public Health Engineering*. (A.B. 1930, Stanford; M.P.H. 1942, Johns Hopkins. [1957])
- JOHN G. KIDD, *Professor of Pathology*, Pathologist-in-Chief, New York Hospital. (A.B. 1928, Duke; M.D. 1932, Johns Hopkins. [1944])
- ALEXANDER H. LEIGHTON, *Professor of Psychiatry (Social Psychiatry)*. Attending Psychiatrist, New York Hospital. (A.B. 1923, Princeton; M.A. 1934, Cambridge; M.D. 1936, Johns Hopkins. [1947; 1957])
- SAMUEL Z. LEVINE, *Professor of Pediatrics*. Pediatrician-in-Chief, New York Hospital. (A.B. 1916, College of the City of New York; M.D. 1920, Cornell. [1924; 1936])
- GEORGE M. LEWIS, *Professor of Clinical Medicine (Dermatology)*. Attending Physician (Dermatology), New York Hospital; Dermatologist, Memorial Hospital.

- (M.D. 1925, University of Alberta; L.M.C.C. 1925, Medical College of Canada. [1932; 1949])
- E. HUGH LUCKEY, *Professor of Medicine*. Physician-in-Chief, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1940, Union; M.D. 1944, Vanderbilt; Sc.D. 1954, Union. [1949; 1957])
- VICTOR F. MARSHALL, *Professor of Clinical Surgery (Urology)*. Attending Surgeon in Charge of Urology, New York Hospital; Associate Attending Surgeon, Memorial Hospital. (M.D. 1937, University of Virginia. [1938; 1957])
- WALSH McDERMOTT, *Livingston Farrand Professor of Public Health and Preventive Medicine*. Attending Physician, New York Hospital. (A.B. 1930, Princeton; M.D. 1934, Columbia. [1935; 1955])
- JOHN M. McLEAN, *Professor of Clinical Surgery (Ophthalmology)*. Attending Surgeon in Charge of Ophthalmology, New York Hospital. (M.E. 1930, Stevens Institute, M.D. 1934, Cornell. [1941; 1943])
- ADE T. MILHORAT, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1924, Columbia; M.D. 1928, Cornell. [1933; 1956])
- S. W. MOORE, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (B.S. 1926, Davidson; M.D. 1930, Harvard. [1932; 1956])
- JOSEPH N. NATHANSON, *Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D.C.M. 1919, McGill. [1926; 1958])
- JAMES M. NEILL, *Professor of Microbiology and Immunology*. (B.S. 1917, Allegheny; Ph.D. 1921, Massachusetts Agricultural College; D.Sc. 1940, Allegheny. [1931])
- JAMES J. NICKSON, *Professor of Radiology*, Chairman, Department of Radiation Therapy, Memorial Hospital. (B.S. 1936, Univ. of Washington; M.D. 1940, Johns Hopkins. [1949; 1951])
- JOHN M. PEARCE, *Professor of Pathology; Professor of Pathology in Surgery*. Attending Pathologist, Surgical Pathologist, New York Hospital. (Ph.B. 1930, Yale; M.D. 1934, Harvard. [1948])
- ROBERT F. PITTS, *Professor of Physiology*. (B.S. 1929, Butler University; Ph.D. 1932, Johns Hopkins; M.D. 1938, New York University. [1942; 1950])
- HENRY T. RANDALL, *Professor of Surgery*. Clinical Director and Chairman, Department of Surgery, Memorial Hospital. (A.B. 1937, Princeton; M.D. 1941, Med.Sc.D. 1950, Columbia. [1950; 1951])
- RULON W. RAWSON, *Professor of Medicine*. Attending Physician and Chairman, Department of Medicine, Memorial Hospital; Visiting Physician, Bellevue Hospital. (M.B. 1937, M.D. 1938, Northwestern. [1948; 1951])
- BRONSON S. RAY, *Professor of Clinical Surgery (Neurosurgery)*. Attending Surgeon in Charge of Neurosurgery, New York Hospital; Consulting Neurosurgeon, New York Hospital, Westchester Division; Neurosurgeon, Memorial Hospital; Visiting Surgeon in Charge of Neurosurgical Service, Bellevue Hospital. (B.S. 1924, Franklin; M.D. 1928, Northwestern. [1932; 1948])
- GEORGE G. READER, *Professor of Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1940, M.D. 1943, Cornell. [1946; 1957])
- PAUL REZNIKOFF, *Professor of Clinical Medicine*. Attending Physician, New York Hospital; Consulting Physician, Bellevue Hospital. (B.S. 1916, New York University; M.D. 1920, Cornell. [1924; 1946])
- WALTER F. RIKER, JR., *Professor of Pharmacology*. (B.S. 1939, Columbia; M.D. 1943, Cornell. [1941; 1956])
- ROBERT S. SHERMAN, *Professor of Clinical Radiology*. Attending Roentgenologist, Memorial Hospital. (Ph.B. 1931, Brown; M.D. 1935, Harvard. [1947; 1958])
- CARL H. SMITH, *Professor of Clinical Pediatrics*. Attending Pediatrician, New York Hospital. (B.A. 1915, College of the City of New York; M.A. 1917, Columbia; M.D. 1922, Cornell. [1928; 1954])

- FRANK R. SMITH, *Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital; Associate Attending Surgeon, Memorial Hospital. (A.B. 1917, Yale; M.D. 1921, Harvard. [1932; 1958])
- HAROLD J. STEWART, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1915, M.D. 1919, M.A. 1923, Johns Hopkins. [1932; 1957])
- ROY C. SWAN, *Professor of Anatomy*. (A.B. 1941, M.D. 1947, Cornell. [1948; 1959])
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- RICHARD R. McCORMACK, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (A.B. 1937, Columbia; M.D. 1941, Cornell. [1946; 1953])
- ROBERT M. McCUNE, JR., *Assistant Professor of Public Health and Preventive Medicine*. (A.B. 1946, West Virginia University; M.D. 1948, Johns Hopkins. [1951; 1955])
- ELLEN McDEVITT, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1930, Mississippi State; M.D. 1949, Utah. [1953; 1957])
- FLETCHER H. McDOWELL, *Assistant Professor of Medicine (Neurology)*. Visiting Neurologist in Charge, Bellevue Hospital; Associate Neurologist, Memorial Hospital. (A.B. 1944, Dartmouth; M.D. 1947, Cornell. [1952; 1956])
- JOHN H. McGOVERN, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. (B.S. 1947, Columbia; M.D. 1952, State University College of Medicine, New York City. [1954; 1959])

- ROBERT G. MCGOVERN, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1944, New York University; M.D. 1947, Columbia. [1951; 1959])
- FRANK J. MCGOWAN, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1919, M.D. 1921, Columbia. [1932; 1950])
- MARION McILVEEN, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital; Assistant Attending Pediatrician, Hospital for Special Surgery. (A.B. 1933, Smith; M.D. 1938, Woman's Medical College. [1943; 1958])
- FREDERICK C. McLELLAN, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital; Attending Urologist, New York Hospital, Westchester Division. (B.S. 1929, M.D. 1933, Dalhousie; M.S. 1936, Michigan. [1941; 1948])
- GORDON P. McNEER, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (M.D. 1931, University of Pennsylvania. [1950; 1951])
- ROBERT H. MELCHIONNA, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1929, St. John's University; M.D. 1935, St. Louis University. [1939; 1953])
- LAURENCE MISCALL, *Assistant Professor of Clinical Surgery*. Visiting Surgeon, Bellevue Hospital. (A.B. 1926, M.D. 1930, Cornell. [1942; 1947])
- JOAN E. MORGENTHAU, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1945, Vassar; M.D. 1949, Columbia. [1954; 1958])
- ZUHEIR MUJAHED, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (B.A. 1942, M.D. 1947, American University, Beirut. [1955; 1957])
- M. LOIS MURPHY, *Assistant Professor of Pediatrics*. Associate Attending Pediatrician, Memorial Hospital. (A.B. 1939, M.D. 1944, Univ. of Nebraska. [1952; 1957])
- JAMES A. NICHOLAS, *Assistant Professor of Clinical Surgery (Orthopedics)*. Assistant Attending Orthopedic Surgeon, Hospital for Special Surgery; Associate Attending Surgeon (Orthopedics), New York Hospital. (A.B. 1942, New York University; M.D. 1945, Long Island College of Medicine. [1958])
- WILLIAM M. O'LEARY, *Assistant Professor of Microbiology and Immunology*. (B.S. 1952, M.S. 1953, Ph.D. 1957, University of Pittsburgh. [1959])
- PHILIP OLLSTEIN, *Assistant Professor of Clinical Public Health and Preventive Medicine*. (M.D. 1927, Long Island College of Medicine. [1944; 1950])
- NORMAN PLUMMER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1922, University of California; M.D. 1926, Cornell. [1928; 1941])
- NATHAN POKER, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (A.B. 1942, Brooklyn College; M.D. 1950, Columbia. [1953; 1956])
- J. LAWRENCE POOL, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (B.S. 1930, Princeton; M.D. 1934, Columbia. [1948])
- J. WILLIAM POPPELL, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1942, Texas College of Mines; M.B. 1946, M.D. 1947, Northwestern University. [1952; 1956])
- R. A. REES PRITCHETT, *Assistant Professor of Clinical Medicine*. (A.B. 1944, Houghton College; M.D. 1948, Cornell. [1952; 1959])
- CURTIS T. PROUT, *Assistant Professor of Clinical Psychiatry*. Assistant Medical Director and Clinical Director, New York Hospital, Westchester Division. (A.B. 1921; M.D. 1924, Cornell; M.S. 1930, University of Michigan. [1948; 1951])
- LEON L. RACKOW, *Assistant Professor of Clinical Psychiatry*. (B.S. 1932, Pennsylvania State; M.D. 1936, University of Edinburgh. [1950; 1956])

- S. FRANK REDO, *Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. (B.S. 1942, Queens College; M.D. 1950, Cornell. [1956; 1958])
- JOSEPH F. REILLY, *Assistant Professor of Pharmacology; Assistant Professor of Pharmacology in Psychiatry*. (A.B. 1937, University of Illinois; M.A. 1939, Harvard; Ph.D. 1947, University of Chicago. [1948; 1953])
- ERIC C. RICHARDSON, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1921, M.D. 1924, McGill. [1938; 1955])
- EDGAR A. RILEY, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (M.D. 1944, Columbia. [1952; 1954])
- PETER C. RIZZO, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (M.D. 1926, New York University. [1951])
- GUY F. ROBBINS, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, Memorial Hospital. (B.S. 1933, B.M. 1936, M.D. 1937, Northwestern. [1950; 1958])
- JAY ROBERTS, *Assistant Professor of Pharmacology*. (B.S. 1949, Long Island University; Ph.D. 1953, Cornell. [1953; 1956])
- THOMAS N. ROBERTS, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1946, South Dakota; M.D. 1948, Harvard. [1949; 1956])
- FRED V. ROCKWELL, *Assistant Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1931, M.D. 1936, Rochester. [1939; 1946])
- DAVID M. ROSEMAN, *Assistant Professor of Clinical Medicine*. (A.B. 1947, M.D. 1951, Johns Hopkins. [1952; 1959])
- LEONARD ROSS, *Assistant Professor of Anatomy*. (A.B. 1946, M.S. 1949, Ph.D. 1954, New York University. [1957])
- RICHARD A. RUSKIN, *Assistant Professor of Clinical Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1940; M.D. 1943, Duke. [1952; 1958])
- JOHN G. SCHMIDT, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon, New York Hospital. (A.B. 1925, Williams; M.D. 1930, Harvard. [1939; 1946])
- OLGA SCHWEIZER, *Assistant Professor of Anesthesiology in Surgery*. Attending Anesthesiologist, Memorial Hospital. (A.B. 1932, Barnard; M.D. 1937, Columbia. [1954])
- HENRY M. SELBY, *Assistant Professor of Clinical Radiology*. Assistant Attending Roentgenologist, Memorial Hospital. (B.S. 1940, M.D. 1943, Louisiana State. [1951; 1957])
- JOHN F. SEYBOLT, *Assistant Professor of Pathology*. Assistant Attending Pathologist, New York Hospital. (B.S. 1938, Yale; M.D. 1943, Cornell. [1947; 1955])
- DONALD M. SHAFER, *Assistant Professor of Clinical Surgery (Ophthalmology)*. (A.B. 1932, Columbia; M.D. 1936, Cornell. [1958])
- ALBERT C. SHERWIN, *Assistant Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1942, M.D. 1947, Columbia. [1950; 1956])
- DAVID B. SLAUTTERBACK, *Assistant Professor of Anatomy*. (B.S. 1948, M.S. 1949, Michigan; Ph.D. 1952, Cornell. [1955; 1959])
- E. FLETCHER SMITH, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1924, M.D. 1928, Texas. [1934; 1954])
- MARTHA L. SMITH, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1937, Swarthmore; M.D. 1942, Buffalo; M.P.H. 1949, Johns Hopkins. [1945; 1958])

- CHARLES T. SNYDER, *Assistant Professor of Clinical Obstetrics and Gynecology*, Associate Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1921, New York University. [1927; 1954])
- STUART S. SNYDER, *Assistant Professor of Clinical Surgery (Ophthalmology)*, Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.Sc. 1941), York College; M.D. 1944, University of Nebraska. [1947; 1951])
- MAUS J. STEARNS, JR., *Assistant Professor of Clinical Surgery*, Associate Attending Surgeon, Memorial Hospital. (A.B. 1935, Union; M.D. 1939, Albany. [1950; 1955])
- GERTRUDE S. STERN, *Assistant Professor of Pediatrics*, Assistant Attending Pediatrician, New York Hospital. (A.B. 1945, Brooklyn College; M.D. 1949, Long Island College of Medicine. [1953; 1958])
- MAXWELL STILLERMAN, *Assistant Professor of Clinical Pediatrics*, Assistant Attending Pediatrician, New York Hospital. (M.D. 1932, Long Island College of Medicine. [1948; 1956])
- RICHARD W. STONE, *Assistant Professor of Clinical Medicine*, Assistant Attending Physician, New York Hospital. (A.B. 1943, M.D. 1945, Wisconsin. [1958])
- WILLIAM D. STUBENBORD, *Assistant Professor of Clinical Medicine*, Assistant Attending Physician, New York Hospital. (B.S. 1927, Wesleyan University; M.D. 1931, Cornell. [1933; 1953])
- JOSEPH D. SULLIVAN, *Assistant Professor of Clinical Psychiatry*. (B.S. 1935, Fordham; M.D. 1939, Cornell. [1946; 1959])
- JOHN E. SUTTON, *Assistant Professor of Clinical Surgery*, Assistant Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (A.B. 1915, A.M. 1917, M.D. 1920, Cornell. [1923; 1950])
- WILLIAM J. SWEENEY, *Assistant Professor of Clinical Obstetrics and Gynecology*, Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1942, Maryville College; M.D. 1949, Cornell. [1950; 1958])
- MARGUERITE P. SYKES, *Assistant Professor of Medicine*, Assistant Attending Physician, Memorial Hospital. (M.D. 1948, New York University. [1955; 1957])
- EDWARD TEN EYCK, *Assistant Professor of Radiology*, Assistant Attending Radiologist, New York Hospital. (M.D. 1948, Cornell. [1957])
- BJORN THORBJARNARSON, *Assistant Professor of Surgery*, Assistant Attending Surgeon, New York Hospital. (M.D. 1947, University of Iceland. [1954; 1958])
- MARJORIE J. TOPKINS, *Assistant Professor of Anesthesiology in Clinical Obstetrics and Gynecology; Assistant Professor of Anesthesiology in Clinical Surgery*, Assistant Attending Anesthesiologist, New York Hospital. (A.B. 1946, Cornell; M.D. 1950, Vermont. [1954; 1958])
- DOUGLAS P. TORRE, *Assistant Professor of Clinical Medicine (Dermatology)*, Assistant Attending Physician, New York Hospital; Assistant Dermatologist, Memorial Hospital. (B.S. 1940, M.D. 1943, Tulane. [1950; 1956])
- CORNELIUS H. TRAEGER, *Assistant Professor of Clinical Medicine*, Attending Physician, Hospital for Special Surgery. (A.B. 1923, M.D. 1927, Columbia. [1955])
- KENNETH K. TSUBOI, *Assistant Professor of Biochemistry in Pediatrics*. (B.S. 1944, St. Thomas; M.S. 1946, Ph.D. 1948, Minnesota. [1955; 1956])
- FRANCIS P. TWINEM, *Assistant Professor of Clinical Surgery (Urology)*, Associate Attending Surgeon (Urology), New York Hospital. (A.B. 1917, Wooster College; M.A. 1919, Princeton; M.D. 1925, Harvard. [1950])
- PARKER VANAMEE, *Assistant Professor of Medicine*, Assistant Attending Physician, Memorial Hospital. (B.S. 1942, Yale; M.D. 1945, Cornell. [1955; 1956])
- WILLIAM H. WAINWRIGHT, *Assistant Professor of Psychiatry*, Assistant Attending Psychiatrist, New York Hospital. (M.D. 1949, University of Chicago. [1955; 1959])

- JOHN M. WALKER, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Associate Clinical Director, Memorial Hospital. (Ph.D. 1931, Yale University; M.D. 1936, Columbia University. [1953])
- GEORGE E. WANTZ, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (M.D. 1946, Univ. of Michigan. [1950; 1957])
- WILLIS M. WEEDEN, *Assistant Professor of Clinical Public Health and Preventive Medicine*. Assistant Attending Surgeon, New York Hospital. (A.B. 1916, M.D. 1919, Cornell. [1922; 1950])
- CHARLES E. WELLS, *Assistant Professor of Medicine*. (A.B. 1948, M.D. 1953, Emory. [1957; 1959])
- CHARLES A. WERNER, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1942, Chicago; M.D. 1945, Cornell. [1948; 1958])
- LOUIS E. WEYMULLER, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.Sc. 1923, M.D. 1925, Univ. of Nebraska. [1936; 1949])
- STEPHEN WHITE, *Assistant Professor of Clinical Radiology*. Associate Attending Radiologist, New York Hospital. (B.S. 1920, College of the City of New York; M.D. 1924, Cornell. [1931; 1944])
- PHILIP D. WILSON, JR., *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Associate Attending Orthopedic Surgeon, Hospital for Special Surgery. (M.D. 1944, Columbia. [1951; 1955])
- SAM C. WONG, *Assistant Professor of Public Health and Preventive Medicine*. (B.S. 1932, M.S. 1934, Ph.D. 1936, University of Washington. [1956])
- FELIX WROBLEWSKI, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1942, M.D. 1945, New York University. [1954; 1956])
- STANLEY S. ZIPSER, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1932, Columbia; M.D. 1936, Long Island College of Medicine. [1946; 1956])

GENERAL STATEMENT

HISTORY

CORNELL UNIVERSITY Medical College was established by the Board of Trustees of Cornell University on April 14, 1898, when they elected Dr. William M. Polk Director of the College and Dean of the medical faculty and appointed six professors. The Medical College was made possible by the munificence of Colonel Oliver H. Payne, who provided the funds for the erection of the original building, located at 28th Street and First Avenue, and who pledged his support to the new institution. For several years he provided funds for the annual support of the college and later placed the institution on a secure foundation by making generous provision for its permanent endowment by a gift of over four million dollars.

In October, 1898, instruction began in temporary quarters. As the Medical College admitted a number of students to advanced standing, Cornell University granted the degree of Doctor of Medicine for the first time in 1899.

The Cornell University Medical College from its foundation has undertaken to carry out two allied activities: the development of physicians of the best type and the extension of medical knowledge by means of research. The medical faculty has held from the beginning of its existence the attitude that these two functions are necessary as constituting a true university school. It is committed not only to conduct teaching of high order but also to study disease and the sciences underlying medicine with the purpose of adding to medical knowledge.

THE NEW YORK HOSPITAL-CORNELL MEDICAL CENTER

The Cornell University Medical College and the New York Hospital have been cooperating for a long time in an arrangement for medical teaching. In September, 1932, however, the two institutions took up occupancy in the same plant.

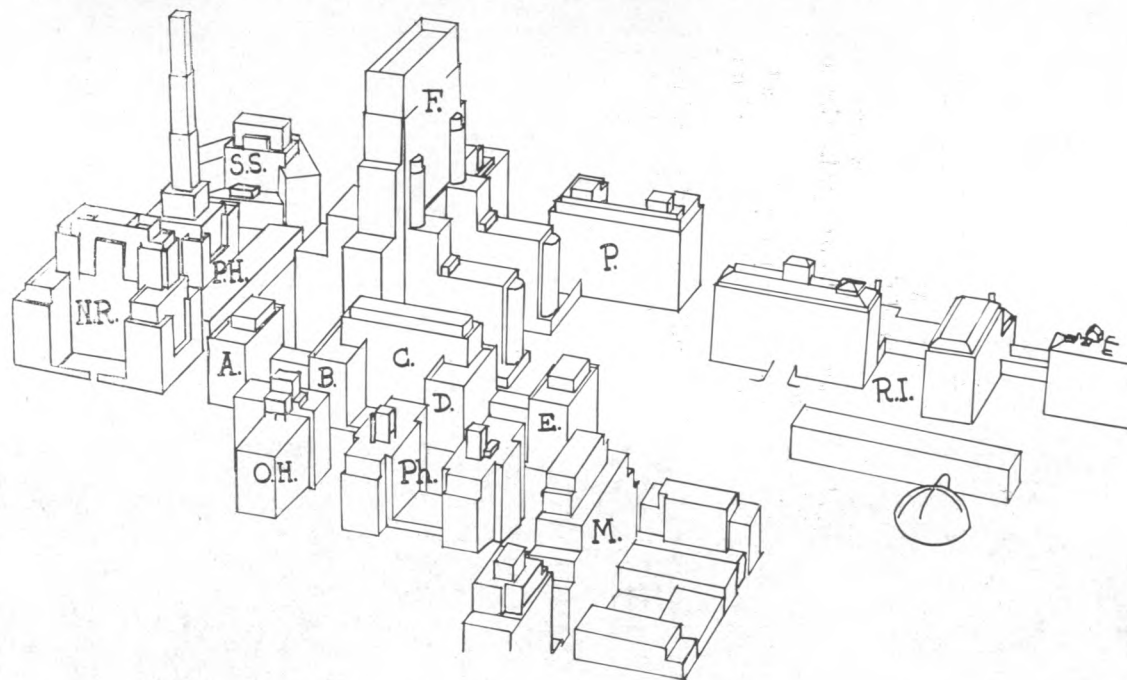
The New York Hospital was founded by Royal Charter on June 13, 1771, in the reign of King George III, and has stood throughout the life of the nation as one of the foremost hospitals in the United States, as an institution rendering service to the sick and injured, and as a center of medical education. For a number of years the Hospital and the Medical College had been partially affiliated. In June, 1927, an



New York Hospital-Cornell Medical College from the east, showing Hospital for Special Surgery (foreground) and Olin Hall (background), new additions to the Center.



NEW YORK HOSPITAL — CORNELL MEDICAL CENTER
From the West



Key to the Photograph on the Opposite Page.

- | | |
|--|---|
| <i>A. Anatomy.</i> | <i>N.R. Nurses' Residence.</i> |
| <i>B. Microbiology and Immunology.</i> | <i>O.H. Olin Hall.</i> |
| <i>C. Administration and Pathology.</i> | <i>P. Payne Whitney Psychiatric Clinic.</i> |
| <i>D. Physiology.</i> | <i>Ph. Phipps Houses.</i> |
| <i>E. Biochemistry and Pharmacology.</i> | <i>P.H. Power and Maintenance.</i> |
| <i>F. New York Hospital.</i> | <i>R.I. Rockefeller Institute.</i> |
| <i>M. Memorial Hospital.</i> | <i>S.S. Hospital for Special Surgery.</i> |

agreement was entered into between Cornell University and The Society of the New York Hospital, formalizing their affiliation for the purpose of bringing together their facilities and cooperating in the care of patients, in medical education, and in medical research. In order to harmonize the interests of the Hospital and of the Medical College, the Joint Administrative Board was formed, consisting of three representatives of each institution and a seventh member elected by the Hospital and by the University. The position of Director of this organization, the New York Hospital-Cornell Medical Center, was approved in 1953.

Additional endowment was secured by each institution. A group of buildings was erected along the East River between 68th and 71st Streets, adjoining the Rockefeller Institute for Medical Research. The new plant affords separate buildings for each of the various laboratory departments and includes approximately 1199 hospital beds. Provision is made for medicine, surgery, obstetrics and gynecology, pediatrics, and psychiatry in five distinct clinical units.

The faculty of the Medical College and the professional staff of the Hospital are organized so as to form one body established on a university basis.

The new plant affords very favorable conditions for the conduct of medical education, for the pursuit of medical research, and for the care of patients in all phases of medical practice.

FACILITIES FOR INSTRUCTION

From the point of view of medical instruction, the facilities provided by the plant of the New York Hospital-Cornell Medical Center are in many respects unexcelled. The plant consists of twelve buildings, joined either directly or by underground passages. These provide ample accommodations for the care of hospital patients, for the teaching of the clinical branches, and for the various activities connected with the work of the preclinical departments of the Medical College.

CORNELL MEDICAL COLLEGE...Instruction in the medical sciences is conducted in a group of buildings extending along York Avenue from 68th to 70th Streets, centering in a court at the end of 69th Street where the entrance to the Medical College is located. This group comprises four units facing on York Avenue, each of which is five stories high. The extreme northern and southern buildings connect with the central group by means of two-story structures. In this series of buildings the one to the north (unit A) is devoted entirely to the department of anatomy; the one next to this on the south (unit B) to microbiology and immunology; the third (unit D) to physiology; the fourth (unit E) to biochemistry and pharmacology. A seven-story building (unit C) joins the buildings B and D in the center, and in this are the offices of the Medical College, the library, and the department of

pathology. This central building of the College is joined on all floors with the central hospital building. Certain of the laboratories of the department of public health and preventive medicine are located in the two-story building which adjoins the bacteriology unit to the north, but the major part of this department is comprised in the Kips Bay-Yorkville Health Center building of the City of New York, located half a block west from the Medical College on 69th Street.

In the main buildings of the Medical College, student laboratories and lecture rooms are provided on the second and third floors, and extensive facilities for research by staff and students are available on other floors. Locker rooms are provided for the use of students. A cafeteria under the direction of the chief dietitian of the New York Hospital is maintained for students and faculty.

NEW YORK HOSPITAL...Clinical instruction is given in the five separate clinics forming the New York Hospital. The medical and surgical clinics occupy the central hospital building, while the women's clinic, the pediatric clinic, and the psychiatric clinic extend from north to south, overlooking the East River. Each clinic contains, besides provision for bed patients, its own out-patient department, lecture rooms, and laboratories for routine study and for clinical research. Special provision has also been made for the laboratory work of students. The medical clinic occupies the second to fourth floors of the central hospital building, with six pavilions for bed patients, three floors for its outpatient department, and extensive laboratories for chemical, physiological, and biological research. The surgical clinic occupies the pavilions from the fifth to the ninth floor, with outpatient and other facilities for the various surgical specialists. The operating rooms are on the tenth and eleventh floors. Above are six floors containing one hundred rooms for private patients, while the living quarters for the resident staff are on the six floors at the top of the building. The entire hospital has a capacity of approximately 1199 beds.

The head of each clinic, responsible for the care of patients and the conduct of professional services of the hospital, is also professor in charge of the corresponding department of the Medical College. Each clinical department is staffed in part by teachers and clinicians, including the professor in charge, who devote their entire time to the service of the College and Hospital, while other members of these departments devote part of their time to private practice.

OTHER HOSPITALS FOR CLINICAL INSTRUCTION

Although the clinical teaching is conducted largely in the New York Hospital, advantage is also taken of special facilities afforded by other hospitals. In some of these hospitals the staff appointments are con-

trolled by the Medical College, while in others the teaching privileges have been granted to the members of the staffs who are also members of the Medical College faculty.

BELLEVUE HOSPITAL... Bellevue is the central hospital of the New York City Department of Hospitals. It contains 3,325 beds and is devoted to the treatment of acute diseases. It is organized in four divisions, one of which has been placed at the disposal of the faculty of Cornell University Medical College for medical instruction. The services conducted by the College include a medical service and a surgical service, each of 90 beds, a urological service and a neurological service of approximately 60 beds. The staff of these services are nominated by the College from among the members of its faculty and teaching staff, and the Medical College is responsible for the professional conduct of these services.

HOSPITAL FOR SPECIAL SURGERY... The Hospital for Special Surgery occupies its new building adjacent to the New York Hospital and is an affiliated institution within the New York Hospital-Cornell Medical Center. Professionally, the Hospital for Special Surgery is, in effect, the orthopedic service of the New York Hospital.

MEMORIAL HOSPITAL... Through the generosity of the late Dr. James Douglas, who provided the hospital with an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College. The agreement between the Memorial Hospital and the College requires that the professional staff be named by the Council of the Medical College subject to the approval of the board of managers of the hospital. The facilities of the hospital, which are of exceptional value in the field of cancer, are available for study in this field by the members of the hospital staff, and unusual opportunities are afforded for instruction in the pathology, diagnosis, and treatment of neoplastic diseases.

MANHATTAN STATE HOSPITAL (WARD'S ISLAND)... This hospital for the care and treatment of mental diseases accommodates over 5,000 patients. Through the courtesy of the superintendent, the department of psychiatry is enabled to utilize this clinical material for bedside study of patients and for the instruction of students.

THE LOOMIS LABORATORY

Founded in 1886 and located at 414 East 26th Street, this institution served the purpose of undergraduate instruction in the Medical College and provided facilities for original research in the various departments of laboratory investigation. The present Medical College building con-

tains space dedicated to the original Loomis Laboratory and its established objectives.

THE LIBRARY

The reading room of the library is situated on the second floor of the central group of laboratory buildings, directly over the entrance of the Medical College. The current journals are kept in racks around three sides of the room. The book stacks are directly behind and open to the reading room, extending down to the subbasement with six floors of stacks. There are also a library seminar room and offices for the library staff.

The library contains about 70,000 volumes, largely made up of complete sets of important journals in the fields of clinical medicine and the medical sciences, in English, German, and French. There are also selected collections of monographs and textbooks.

Several of the departments of the Medical College have libraries containing journals, monographs, and textbooks pertaining especially to the subject matter of the departments. These collections, inter-library loans and photo-duplicate copies from other libraries, including the National Library of Medicine, supplement the medical library.

In addition to the college library, students may obtain certain privileges at the library of the New York Academy of Medicine, Fifth Avenue and 103rd Street, the second largest medical library in the United States.

THE RUSSELL SAGE INSTITUTE OF PATHOLOGY

The Institute has been associated with Cornell University Medical College since 1913. At first it was affiliated with the Second Medical (Cornell) Division of Bellevue Hospital, but since 1932 it has been in the New York Hospital. The Institute has supported work in metabolism which has been conducted by the members of the departments of medicine and physiology. The medical director of the Institute is Dr. David P. Barr, Emeritus Professor of Medicine.

REQUIREMENTS FOR ADMISSION AND GRADUATION

THE FACULTY of Cornell University Medical College, in defining the qualifications for admission to the medical profession, attaches particular importance to the liberal culture and general education implied by the acquisition of a college degree. The college degree as a prerequisite for acceptance has been adopted by faculty and trustee action, and only the following candidates for the degree of Doctor of Medicine will be admitted to Cornell Medical College:

1. Graduates of approved colleges or scientific schools; or
2. Seniors in good standing in Cornell University or in any other approved college or scientific school whose faculty will permit them to substitute the first year of the professional course for the fourth year in arts and sciences, and who will confer upon them the Bachelor's degree upon the satisfactory completion of the first year of the course in the Cornell University Medical College. A student from an institution other than Cornell University seeking admission under this clause must have a statement from the dean of his college signifying approval of this plan for fulfilling the requirements for the degree. Any student failing to receive his degree under this arrangement will not be admitted to the second year of the medical course.
3. Persons who, while not possessing a Bachelor's degree, give evidence by examination that they have acquired an equivalent education and a training sufficient to enable them to profit by the instruction offered in the Medical College. This rule is intended to apply to students of foreign universities.

The basic premedical requirements which all students must fulfill to qualify for admission to the study of medicine in New York State are set forth in the "Regulations of the Commissioner of Education." In conformity with these regulations, Cornell University Medical College requires for admission the satisfactory completion of at least 6 semester hours in each of the following subjects: English, physics, biology or zoology, general chemistry, and organic chemistry.

Although the requirements outlined above form the basis of eligibility for admission to the medical course, they should be considered as representing the irreducible minimum. The list contains a total of twenty-seven credit points, which probably represent sufficient time to enable the student to obtain a basic preparation in these different

fields. In many colleges, however, additional credits in one or more of these departments are required of the candidate in order to satisfy major requirements for the degree. In making the choice of elective courses, consideration should be given to the principle that thorough training in the sciences is essential. On the other hand, choosing too many elective courses in these departments may not provide the most acceptable preparation for medicine, since it tends to limit the time available for study in other departments offering work of a broad educational value. Students planning to study medicine should bear in mind that bacteriology, immunology, human physiology, and abnormal psychology are properly subjects of the medical and not of the premedical curriculum. In planning premedical work students are advised to elect subjects which will lay a broad foundation for medical study rather than to anticipate courses required as a part of the medical curriculum.

* Each year the Admissions Committee selects an entering class of approximately 84 students from a group of more than 1100 applicants. The members of the committee are keenly aware of their serious responsibility in selecting students who have the native ability, traits of character, soundness of personality, and adequate financial responsibility that will enable them to finish satisfactorily their course in the Medical College. A serious obligation to society is also acknowledged by a medical school. It must graduate only those persons who can be expected, with reasonable certainty, to do creditable work in some field of medicine after graduation. The Admissions Committee selects from all applicants those who seem best to fulfill such requirements.

In selecting a relatively small class from a large group of well qualified applicants, the Committee is mindful of the sound and liberal traditions of Cornell University. They attempt to select well qualified students with varied backgrounds—from various geographic areas, from different socio-economic groups, and from varying types of educational institutions. As to grade averages, the Committee needs to satisfy itself that the applicant's scholastic record, both as to courses taken and grades received, gives reasonable assurance that the individual can do the medical curricular work without undue difficulty. Grading systems vary so much from school to school that no specific grade can be categorically stated as minimally acceptable. To be accepted for admission a student must have a satisfactory scholastic record. Beyond that, grades are considered less important than the personal attributes—emotional stability, sound character, healthy personality, intellectual maturity, strong motivation, and ability to cooperate. The Medical College Admission Test results are helpful in appraising an applicant's academic ability. No one pattern of extra-curricular activities is considered more meritorious than another. The Admissions Committee looks at each applicant as a total individual,

insofar as that is possible with the information obtainable. Those applicants are considered acceptable who have the qualities, abilities, and capabilities considered necessary in a person who hopes to become a physician. Eligibility for admission is determined without regard for race, creed, color, religion, or national origin. Admission policies are in conformity with the policy of the state in regard to the American ideal of equality of opportunity as embodied in the Education Practices Act.

As a general rule the courses given in professional schools of pharmacy, veterinary medicine, optometry, agriculture, and the like are not considered as fulfilling adequately the admission requirements.

APPLICATIONS FOR ADMISSION

All requests for application forms and inquiries regarding dates for submitting applications should be addressed to the Committee on Admissions, 1300 York Avenue, New York 21, N.Y. In making application for admission, the regular form issued for this purpose must be filled out and submitted to the Office of Admissions. Candidates are accepted for only one class in advance. With the large number of students making application in recent years, it has been necessary to assign a definite period for distributing application forms. For a class entering in September of a certain year, the application forms may be obtained on request, beginning September 1 of the previous year. Applications should be completed during the fall, and no application will be accepted after January 15. A charge of \$10 is made for submitting an application. This fee should be made payable to Cornell University Medical College in the form of a check or money order and *is not returnable*.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. As soon as the Committee takes favorable action upon an applicant, a letter of acceptance is forwarded to him, and the accepted applicant is required to make a deposit of \$50 within a specified time. This deposit is not returnable but is credited toward the first tuition payment. If the accepted student fails to make the deposit in the stipulated time, he forfeits his place on the class role.

It is impossible for the Committee on Admissions to hold personal conferences with all candidates for admission as the number is too great; therefore the invitations for interview are decided by the Admissions Committee.

A student who has previously attended another medical school and has been dropped for poor scholarship or unsatisfactory conduct is not an acceptable candidate for admission to any class in Cornell Medical College. It is inadvisable, therefore, for one with this background to go through the formality of submitting an application.

ADMISSION TO ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing.

Application for a place in one of the upper classes should be filed according to the procedure described for admission to the first year class. Accepted applicants are required to make the deposit of \$50. Applicants must not only furnish acceptable evidence of having satisfactorily completed in an approved medical school all of the work required of students of the class they wish to enter, but also of having completed the conditions of admission to the first year class at Cornell University Medical College. They must present a certificate of honorable dismissal from the medical school or schools they have attended, and they may be required to take examinations in any of the medical courses taken at another school.

Although a certain number of students are regularly admitted from other institutions to enter the third year class at Cornell University Medical College, rarely have there been acceptances made of students to enter the fourth year on the basis of work at another medical school. Candidates seeking admission to the fourth year are required to come before the clinical departments for a thorough examination before final action is taken on their applications.

Persons who have received the degree of Doctor of Medicine at another institution will not be accepted as candidates for this degree at Cornell University Medical College. Likewise, persons who have finished all or part of the course in dentistry and seek a transfer to medicine are discouraged from making application here, since Cornell does not have a department of dentistry and makes no provision for including any teaching in this subject in the medical curriculum.

ADVANCEMENT AND EXAMINATION

The entire medical curriculum is arranged in four courses, or academic years, and the student advances an academic year at a time. It is necessary that he complete all the subjects of a given academic year before taking up the next group of subjects. To be promoted to any of the advanced years (second, third, or fourth), he must be approved for advancement by the faculty.

Any student who by quality of work or conduct indicates an unfitness to enter the profession of medicine may, at the discretion of the faculty, be required at any time to withdraw from the Medical College.

At the close of the academic year examinations are given in all subjects except those extending through a part of the year only, in which examinations may be held at the close of the course in the hours allotted thereto. In making up a student's rating in a given course, all

work covered in that subject during the year is taken into account, and due weight is assigned to the effort he puts into his work, his seriousness of purpose, and his scholastic resourcefulness, as well as the results of the final examination.

A final rating is made for each student at the end of the academic year, based on the results of his performance in all courses in the curriculum of that year. These final ratings of students are made on the recommendations of the Committee on Promotion and Graduation; then they are reviewed and formally acted on by the faculty. The faculty ratings classify all students of the medical course under one of four groups as follows:

1. Students with no encumbrances in any subject are recorded as "passed." The rating confers eligibility for readmission into the Medical College in the next higher class, unless by reason of conduct the faculty considers the student unsuited for the medical profession.

2. Students with an unsatisfactory rating in 40 per cent or more of the required hours in a given year are recorded as "not passed." A rating of "not passed" carries ineligibility for readmission into the Medical College.

3. Students with an unsatisfactory rating in less than 40 per cent of the required hours of a given year are recorded as "conditioned." A "conditioned" student has failures in certain required courses, and he may be re-examined in these subjects, but only after pursuing additional work under the direction of the head of the department in which a failure has occurred. Students who fail on re-examinations are ineligible for readmission into the Medical College, unless under special circumstances they are permitted by the faculty to repeat courses in which their work is deficient.

4. Students with uniformly low grades in most subjects of the course for two years or more are subject to special review by the faculty, and any students with a record of this kind may be deemed unqualified to enter the medical profession. A rating in this group carries ineligibility for readmission into the Medical College.

It is a well established policy of the Medical College to make no announcement to students of grades received in any subject of the medical course. At the close of each academic year, however, students are informed of the quarter of the class in which their weighted average score places them in the order of class standing.

A transcript of the Medical College record of a student or graduate will be mailed on his request to accredited hospitals and to educational or other well recognized institutions as credentials in support of his application for a position or promotion. All transcripts are marked "confidential" and carry the instructions that they are not to be turned over to the candidate. This ruling is for the purpose of avoiding possible loss and fraudulent use of an official document of the Medical

College. The Medical College makes no charge for sending out transcripts of record.

REQUIREMENTS FOR GRADUATION

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years and be of good moral character.

They must have completed successfully four full courses of at least eight months each as regular matriculated medical students, the last of which must have been in Cornell University Medical College. They must have satisfactorily completed all the required work of the medical curriculum and must have passed all prescribed examinations. At the end of the fourth year every student who has fulfilled these requirements will be recommended to the President and Trustees of Cornell University for the degree of Doctor of Medicine.

EXAMINATIONS FOR MEDICAL LICENSURE

Graduates of Cornell University Medical College are admitted unconditionally to the examinations for license to practice medicine in all states of the United States.

Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is recognized by the respective authorities of England, Scotland, and Ireland. Although national in scope and organized under the laws of the District of Columbia, the National Board of Medical Examiners is not to be confused with a federal government agency. For information write to the National Board of Medical Examiners, 133 South 36th Street, Philadelphia 4, Pa.

GENERAL INFORMATION

FEES AND EXPENSES

ALL FEES for instruction and other charges are paid at the Business Office of the Medical College, Room A-131, 1300 York Avenue, New York 21, N.Y.

Veterans receiving federal or state educational benefits are required to report to the Veterans Affairs Office, Room D-115, immediately after registering.

The Board of Trustees of Cornell University reserves the right to change the schedule of fees of the Medical College when deemed expedient.

APPLICATION FEE

A charge made for reviewing an application \$10.00

ACCEPTANCE DEPOSIT \$50.00

Each student admitted is given notice of favorable action on his application and a limited time (usually two weeks) in which to decide if he will enroll in the entering class. His name is not placed on the class list until the acceptance fee is paid. The fee is credited toward the tuition charge and is not returnable if the student fails to enter.

Beginning July 1, 1958, the following tuition and fee rates were effective:

TUITION FEE, for academic year \$1,100.00

COMPREHENSIVE FEE, for academic year \$ 150.00

The charges are payable at the beginning of the academic year, or in three equal parts, the first of which must be made at registration. For fourth year students, the first installment will be due at or before September registration. No refund or rebate will be made in any instance.

Included in the comprehensive fee are the following:

Matriculation Fee

Student Hospitalization Insurance, for calendar year.

This insurance is carried through the Associated Hospital Service (Blue Cross plan) and may be extended to wives and families of

married students at additional cost. This insurance plan covers all hospital costs for a limited period of time for any student in good standing who is hospitalized in the New York Hospital. It assures the usual Blue Cross plan coverage for hospitalization in other hospitals.

Student Health Service

Described on page 50.

Graduation Fee and rental fee for cap and gown for graduation exercises.

BOOKS, INSTRUMENTS, AND MICROSCOPES

The average cost of books and instruments is approximately \$135 a year, distributed as follows: first year, \$150; second year, \$215; third year, \$125; fourth year, \$50.

Each student is required to provide himself with a microscope of an approved type. Arrangements can be made to purchase one from the College Book Store after arrival if the student desires. A limited number of microscopes are available for rental at \$30 a year. Anyone wishing to rent one of these microscopes should write to the Admissions Office to make a reservation as early as possible.

RESIDENCE HALLS

F. W. Olin Hall, student residence, was completed for occupancy in September, 1954. This building was made possible by a generous gift from the Olin Foundation. The residence is located on York Avenue at 69th Street, directly across the street from the Medical College entrance. It contains a gymnasium, snack bar, lounge rooms, and 278 residence rooms. The Alumni Memorial Room contains the George T. Delacorte, Jr., Book Collection as well as the War Memorial to Cornell graduates who gave their lives in the wars. Each residence room is furnished as a single bedroom-study, but, since each two rooms have a connecting bath, they may be used as a suite for two students if desired. The rooms are completely furnished, and linen service is provided. Rental for students is: for an academic year, \$320; for a full year (12 months), \$375; for periods less than one year, \$45 a month. One floor is reserved for women students, and nonhousekeeping facilities for married students are available. Several cafeterias are available in the main college and hospital buildings.

Cornell Residence for Married Students, a newly remodeled building, was made available and was opened in the fall of 1957. It is located on 69th Street next to Olin Hall. It provides nineteen 1½-room apartments and nineteen 3-room apartments; all apartments are furnished.

Rentals for 1½ rooms are \$75 to \$85 per month and for the 3-room apartments, \$115 to \$125 per month.

STUDENT HEALTH SERVICE

Complete ambulatory medical care is provided for all students matriculated in the Medical College and in the Graduate School of Medical Sciences through the Personnel Health Service of the Medical Center. All members of the first year class and students transferred to advanced standing from other colleges are required to have a physical examination by a member of the Health Service staff. In addition each student must report for a chest X-ray examination, tuberculin test, and such immunizations as may be considered necessary at periodic intervals. No charge is made for medical care through the Health Service or for any X-rays, laboratory tests, or procedures which may be needed. Each student is required to carry Associated Hospital Service (Blue Cross) hospitalization insurance unless some similar hospitalization insurance is currently in effect through a previous policy. The cost of this insurance for each student is included in the comprehensive fee. Wives and families may be included by the payment of an additional fee. Office hours are held daily from 12:30 to 1:30 p.m. by the student health staff. All cases of illness must be reported to the Health Service. Students may have in attendance physicians of their own choice, but a reasonable amount of cooperation between such physicians and the College Health Service is expected. Wives and families of students are not eligible for care through the Personnel Health Service but will be referred to appropriate members of the hospital staff for medical care.

PRIZES

1. *FOR GENERAL EFFICIENCY.* In commemoration of John Metcalfe Polk, an instructor in this College who was graduated from Cornell University Medical College June 7, 1899, and died on March 29, 1904, prizes will be presented at each Commencement to the three students having the highest standing for the four years' work. Only those who have taken the full course of study at Cornell University Medical College are eligible. The first prize is \$250, the second \$100, and the third \$50.

2. *FOR EFFICIENCY IN OPHTHALMOLOGY.* Two prizes, the first of \$50, the second of \$25, are offered by Professor Bernard Samuels to the two students of the graduating class who make the best records in ophthalmology.

3. *FOR EFFICIENCY IN OTOLARYNGOLOGY.* This prize is made available from the Arthur Palmer Fund provided by the mem-

bers of the staff of otolaryngology in honor of Dr. Palmer. The prize will be given to the student of the graduating class who makes the best record in this specialty.

4. *FOR EFFICIENCY IN OBSTETRICS.* Two prizes, the first of \$50, the second of \$25, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligmann, in obstetrics, to be given to the two students of the graduating class who have made the best records in obstetrics.

5. *FOR EFFICIENCY IN GENERAL MEDICINE.* The income from \$1,000 is offered as a prize for general efficiency in the department of medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from Cornell University Medical College on June 11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926. Presented at each Commencement to a member of the graduating class who has pursued the full course at Cornell University Medical College.

6. *THE MARY ALDRICH FUND.* In memory of William Mecklenburg Polk, M.D., LL.D., first dean of the Medical College, two prizes are offered for proficiency in research to regularly matriculated students of the Cornell University Medical College, the first of \$150, and the second of \$50. Members of all classes are eligible for these prizes.

The awards are made at the end of each academic year for the best report presented in writing of research work done by students, or for valuable reviews and logical presentations on medical subjects not to be found fully considered in a single text or reference book. If the papers submitted are not considered worthy of special commendation, the prizes will be withheld.

Papers are submitted in quadruplicate in a sealed envelope marked "Dean William Mecklenburg Polk Memorial Prize Committee" and must be in the Administration Office not later than three weeks prior to the end of each academic year.

The committee of awards for this prize consists of two members of the faculty from laboratory departments and two from clinical departments.

For 1959 the William Mecklenburg Polk Prize awards for research were: First prize: Peter Miller Burkholder.

Second prize: Shirley Ruth Andersen and Ralph August Baer, Jr.

7. *THE WILLIAM C. THRO MEMORIAL FUND.* Established in memory of William C. Thro of the class of 1901 whose all-absorbing interest in and devotion to clinical pathology found expression in the teaching and practice of this subject in his alma mater continuously from 1910 to 1938. The prize award is to be given to the student show-

ing the best record in the course in clinical pathology. The candidate for the prize is to be recommended by the professor of clinical pathology and the award made by the Committee on Prizes and Scholarships.

8. *THE HERMAN L. JACOBIOUS PRIZE IN PATHOLOGY.* Established in 1945 by a gift from Dr. Lawrence Jacobius and his friends in memory of his son, who was killed in action in the Netherlands on September 28, 1944. Dr. Herman L. Jacobius was a member of the class of 1939. The income of the fund is available annually to the student of the third or fourth year class who, in the opinion of the staff of the department of pathology, merits recognition for high scholastic attainments and outstanding performance in the subject of pathology. If in any year no student merits the distinction the award will be withheld.

9. *THE BORDEN UNDERGRADUATE RESEARCH AWARD.* The terms of this grant by the Borden Company Foundation, Inc., provide for awards of \$500 during any one calendar year for a period of five years. The award will be made under the following terms and conditions:

1. All persons in the graduating class of the Medical College of Cornell University who, during any year while enrolled in the College, have carried out undergraduate research in the medical field shall be eligible for the Borden Undergraduate Research Award in Medicine. The award shall be presented at the time of his graduation to that eligible person whose research has been determined by the Medical College to be the most meritorious performed by all similarly eligible persons. Originality and thoroughness of research shall be of primary consideration.

2. In the event that the Dean shall find it inappropriate to make the award in any one year, the award may be deferred to another year. Only one award, however, will be made during any one calendar year.

Papers submitted for this prize should be in quadruplicate and must be in the Administration Office not later than three weeks before the end of the term.

The Borden Prize for Research for the year 1959 was awarded to Richard John Kossmann.

10. *THE GOOD PHYSICIAN AWARD.* A silver desk tray, suitably inscribed, given by a friend of the Medical College who wishes to remain anonymous, will be awarded at Commencement to that member of the graduating class who, by vote of the class, best exemplifies the intangible qualities of "*The Good Physician*."

11. *CHARLES L. HORN PRIZE FUND.* The income from this fund will be awarded each year to the member of the graduating class who has demonstrated the most improvement in scholarship in the course of four years of study in the Medical College.

12. *THE SAMUEL HOLLANDER PRIZE.* The income from a fund established by bequest of Dr. Samuel Hollander is to be awarded

to a worthy medical student as a prize for scholarship by the Committee on Scholarships.

SCHOLARSHIPS

1. *THE JOHN METCALFE POLK SCHOLARSHIP.* A gift under the will of William Mecklenburg Polk, the first Dean of the Medical College, is awarded annually by the faculty. The scholarship amounts to about \$200 a year.

2. *THE THORNE SHAW SCHOLARSHIP FUND.* This fund provides three scholarships designated as:

First: A scholarship of approximately \$400 available to students after at least two years of study in the Medical College.

Second: Two scholarships of approximately \$200 each available to students after at least one year of study in the Medical College.

These scholarships are awarded by the faculty upon nomination by the Committee on Scholarships and Prizes. They are awarded annually in June and are for one year only. Students receiving the scholarships are notified of the award at the end of the session.

3. *MARY F. HALL SCHOLARSHIP.* The income, amounting to about \$180 annually, from a fund established by bequest of Miss Mary F. Hall, is available to any woman student in Cornell University Medical College who needs its aid and who is a bona fide resident of the State of New York and was such prior to admission to the College.

4. *THE 1936 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND.* A five thousand dollar fund established in 1936, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a re-award. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the faculty (or trustees) may be deemed best.

5. *THE 1939 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND.* A five thousand dollar fund established in 1939, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a re-award. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the faculty (or trustees) may be deemed best.

6. *THE JEREMIAH S. FERGUSON SCHOLARSHIP*. Established in memory of Jeremiah S. Ferguson, who throughout his long connection with the Medical College, of somewhat more than forty years, devoted much effort to helping students with their individual problems and promoting their professional careers. The fund amounts to \$5,000, the income from which, approximately \$200 a year, is awarded annually by the Committee on Scholarships and Prizes to a student or students in the third or fourth year classes in the Medical College who are in need of financial aid and who by conduct and scholarship have proved worthy investments.

7. *THE CHARLES RUPERT STOCKARD SCHOLARSHIP*. A ten thousand dollar fund was established in 1939 by a friend of the late Charles Rupert Stockard, professor of anatomy in the Cornell University Medical College, 1911-1939. The interest of this fund is to be awarded either to one student (approximately \$400) or to two students (approximately \$200 each) who have shown promise in the work in the department of anatomy and who are desirous of doing advanced work in this department. The scholarships are to be awarded by the Executive Faculty upon nomination by the head of the department of anatomy.

8. *THE DR. JOHN A. HEIM SCHOLARSHIPS*. Established under the will of John A. Heim of the class of 1905 to provide such number of scholarships in the Medical College as there shall be funds available for that purpose. The awards are to be made to regularly matriculated medical students who are in need of financial assistance, as provided for in the terms of the bequest.

First year students are eligible, provided they meet the standards prescribed.

9. *THE DR. CHARLES I. HYDE '10 AND EVA HYDE SCHOLARSHIP FUND*. Established in memory of their daughter, Anita Shirley Hyde. The terms of this endowment provide that the income be available annually to meritorious students who have completed one year of the regular medical course and are in need of assistance. The income from this endowment amounts to about \$100 yearly.

10. *THE DR. JACQUES SAPHIER SCHOLARSHIP FUND*. Established in memory of Dr. Jacques Conrad Saphier (Lieutenant, j.g., USNR) of the class of 1940, who was killed in action on August 21, 1942, at Guadalcanal while in the performance of his duty. The income from this fund shall be awarded annually to a meritorious student of the Cornell University Medical College who has completed at least one year of work, who needs its aid, and who, in the opinion of the faculty, merits the recognition for which this scholarship was established.

11. *THE ELISE STRANG L'ESPERANCE SCHOLARSHIP.* This award is maintained by the personal contributions of Dr. Elise Strang L'Esperance, whose interests in the educational advancements of the Medical College have continued for many years. The value of this scholarship is \$1,000, and the award is to be given annually to the most outstanding woman medical student in the fourth year class in Cornell University Medical College. The selection of the recipient of this scholarship is to be made by the Dean in consultation with persons suggested under the original donation.

12. *THE SAGAN FOUNDATION SCHOLARSHIP.* An annual scholarship of \$500 to be awarded to a student in Cornell University Medical College, to be selected by the College on the basis of scholarship and need, without reference to race, color, sex, or creed. A special blank issued by the Sagan Foundation should be obtained from the Dean's Office by students making application for this scholarship.

13. *RUTH HOLLOHAN SCHOLARSHIP FUND.* This fund was established by the terms of the will of Jessie L. Hollohan in memory of Ruth Hollohan. The income is to be used for scholarships for students in the Medical College, with first consideration to be given to entering students of good scholarship who are in need of financial assistance.

14. *THE WALLACE D. GARRABRANDT SCHOLARSHIP.* Established by Mabel G. Gormley. This scholarship, amounting to approximately \$200, is to be awarded annually by the Committee on Scholarships to a regularly matriculated medical student of good scholarship who is in need of financial assistance.

15. *LEONA E. TODD SCHOLARSHIP.* Under the terms of the will of Alzina T. Elliott, a scholarship has been established for women students in the Medical College. The income from the gift is approximately \$800 per year.

16. *FUND FOR TRAINING IN PSYCHIATRY.* A grateful patient, recognizing the value of psychiatric therapy in helping people achieve life more abundantly, has established this fund to provide financial assistance to students preparing for a career in psychiatry. Students who seriously intend to enter the field of psychiatry, and who are judged qualified by the faculty, are eligible for financial aid after the second year of the medical course. Financial assistance may also be given in support of graduate or postgraduate training in the Payne Whitney Psychiatric Clinic.

17. *DR. E. COOPER PERSON MEMORIAL SCHOLARSHIP FUND.* Friends of the late Dr. Person established this scholarship fund in his memory. Scholarship aid for deserving students is provided from the income.

18. *LILLIAN M. CHARLES SCHOLARSHIP FUND.* This fund was established by a generous gift from Mrs. Howard W. Charles. The income will provide scholarship assistance for needy students who are in good academic standing.

19. *VIVIAN B. ALLEN SCHOLARSHIP.* Through the generosity of the Vivian B. Allen Foundation, Inc., this endowment has been established to aid needy male students of good scholastic standing who otherwise would not be able to complete their medical education.

20. *MARY LOUISE WUESTER SCHOLARSHIP.* Established in memory of his mother by Dr. William O. Wuester. The income of this fund is awarded annually by the Committee on Scholarships to a regularly matriculated medical student of good scholarship in need of financial aid.

21. *ROBERT E. SPENO SCHOLARSHIP.* Established in 1952 by gift from Frank Speno in memory of his son, Robert E. Speno. A room in F. W. Olin Hall is named the Robert E. Speno Room, and income from the endowment provides a room-rent scholarship.

22. *ELIZABETH AND NEILL HOUSTON SCHOLARSHIP.* Established in 1952 by a gift from Elizabeth and Neill Houston. A room in F. W. Olin Hall is designated the Elizabeth and Neill Houston Room, and income from the endowment provides a room-rent scholarship.

23. *DR. HARRY ENO SCHOLARSHIP ENDOWMENT.* Established in 1955 by gift of Dr. Harry Eno, the income to provide scholarships for needy and worthy students in the Medical College.

24. *TUITION AID FOR ENTERING STUDENTS.* A limited amount of scholarship assistance is available for entering students. The need for scholarship assistance should be discussed at the admissions interview, and inquiries about this aid should be directed to the Admissions Committee chairman.

25. *THE JOSEPH P. FERRIGAN FUND.* The income from this fund is to be used to benefit a worthy and meritorious student in need of financial assistance.

26. *THE THOMAS RENNIE SCHOLARSHIP FUND.* Friends of the late Dr. Rennie, Professor of Social Psychiatry, have set up a fund, the income from which is available to students interested in carrying out research work in social psychiatry.

BURSARY FOR WOMEN STUDENTS

THE MARIE AND JOHN ZIMMERMAN FUND. A sum from this fund will be available this year to certain women students as a memorial to Marie Zimmerman, Sr. The candidates will be chosen in accordance with the purposes of the donor as set forth in the following terms:

"It is the desire of the Fund that Dr. Connie M. Guion and the Associate Dean assign the proceeds of the donations to one or more women medical students who are financially in need of assistance and whose academic standing leads them to believe that the recipients of the awards will make a success in their profession."

The objectives and method of assigning these awards will follow the principles accompanying the donations received during the present year.

LOAN FUNDS

1. *THE 1923 LOAN FUND.* The income from this fund amounts to \$350 a year and is available as a loan to students needing financial assistance, preferably to a third year student.

2. *ALUMNI ASSOCIATION LOAN FUNDS.* The Alumni Association of the Medical College is able to aid a few students in meeting their expenses by the Jessie P. Andersen Memorial Fund and the Class Student Loan Funds. The loans made from these funds will be administered by the Board of Directors of the Alumni Association. The Medical College is consulted in making these awards. Students in the upper classes will be given preference.

3. *STUDENT LOAN FUND.* A revolving fund contributed through different sources including the Kellogg Foundation, the Charles Hayden Foundation, and the Student Book Store is available to students in all classes who are in need of assistance. Every effort is made within the limitations of the financial structure of the institution to help students who by reason of unforeseen circumstances get into money difficulties. A special committee considers each case on its individual merits. A student having indebtedness to the Medical College in other ways than formal loans is ineligible for graduation.

4. *JOSEPH C. HINSEY LOAN FUND.* Made available through the generosity of the Olin Foundation. A revolving loan fund to advance funds on a loan basis to students in need of financial assistance.

ALPHA OMEGA ALPHA

Alpha Omega Alpha is a nonsecret Medical College honor society, membership in which is based upon scholarship, moral qualifications

being satisfactory. It was organized at the College of Medicine of the University of Illinois, Chicago, August 25, 1902. A.O.A. is the only order of its kind on this continent.

Elections are made from students who have fully completed two years of a four year curriculum, by unanimous vote of the active members acting on recommendations made by faculty advisers. Not more than one-sixth of any class may be elected. Aspects of and indispensable to true scholarship are included open-mindedness, individuality, originality, demonstration of studious attitude, and promise of intellectual growth.

The Cornell chapter of A.O.A. was organized May 2, 1910. A large number of the faculty are members. The chapter sponsors an annual open lecture delivered in the Medical College Auditorium on a cultural or historical phase of medicine.

The members elected from the graduating class of 1959 are the following: Shirley R. Andersen, Arthur R. Beil, Jr., Paul L. Bleakley, Donald L. Bricker, Raymond F. Chen, R. Gordon Douglas, Jr., Richard J. Kossmann, Melvin G. Lund, J. Ralph Macfarlane, Eugene R. Perrin, Walter Rubin, and Alden E. Whitney.

SIGMA XI

Sigma Xi, a national honorary society devoted to the encouragement of scientific research, was founded at Cornell University at Ithaca in 1886. An active branch of the Cornell Chapter is maintained at the Medical College. Many members of the faculty and research staff are members of Sigma Xi and share in the activities of the Cornell Chapter. Medical students are eligible for election to membership in Sigma Xi on the basis of proved ability to carry on original medical research and on nomination by active members of the Cornell Chapter.

CORNELL UNIVERSITY MEDICAL COLLEGE ALUMNI ASSOCIATION, INC.

Officers

Carleton M. Cornell '37	<i>President</i>
David D. Thompson '46	<i>Vice President</i>
George R. Holswade D'43	<i>Secretary</i>
Henry A. Carr '35	<i>Treasurer</i>
Bernice E. Sheldon	<i>Executive Secretary</i>
William A. Barnes '37	<i>Fund Raising Chairman</i>

Directors

Three Year Term: Thomas P. Almy '39; Walter F. Riker M'43

Two Year Term: William J. Grace '42; Mary Ann Payne '45

One Year Term: Joseph F. Artusio, Jr. M'43; J. Scott Butterworth '37

Alumni Quarterly

William J. Eisenmenger '41

Editor

George Schaefer '37

Associate Editor

Each graduate of Cornell University Medical College is automatically considered a member of the Alumni Association, and the dues are \$10 a year. The activities of the Association include a quarterly publication, an annual banquet, student and faculty parties, student loan funds, and an employment bureau. The Association maintains an office at 1300 York Avenue.

An annual appeal for funds for the use of the Medical College is made to members of the Association.

EDUCATIONAL POLICIES AND PLAN OF INSTRUCTION

THE MEDICAL COLLEGE is divided into twelve major departments, seven of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, microbiology and immunology, pathology, pharmacology, and public health and preventive medicine. Five departments have as their major functions the study, treatment, and prevention of human diseases, and maternity care. These are medicine, surgery, pediatrics, psychiatry, and obstetrics and gynecology.

The heads of these major departments, together with the President of the University and the Dean, constitute the Executive Faculty, which is responsible for the educational policies of the College.

Courses required to be completed by each student before the degree of Doctor of Medicine is conferred by Cornell University are offered by each department. These courses are arranged, in their sequence and duration, to develop logically the knowledge and training of students and to build up gradually the requirements needed for graduation as Doctor of Medicine. The various departments also offer courses and opportunities for special study open to regular medical students, to candidates for advanced degrees in the Graduate School of Cornell University, and to qualified advanced students of medicine not candidates for degrees.

Medical knowledge is so extensive that only a small part of that needed for a successful career in medicine can be acquired during the time devoted to medical study by the medical college curriculum. The time devoted by the prospective physician to his preparation for the practice of medicine includes at least one and often many more years of graduate medical education as intern or resident of a hospital, either in clinical or laboratory work or both. The required period of study at Cornell University Medical College extends over four academic years of at least thirty-three weeks each.

As medical science and medical practice may be pursued in a variety of ways, it is the policy of the College to encourage the student to vary his course of study according to his special interests and particular talents as far as is consistent with meeting the requirements for the degree of Doctor of Medicine.

A thesis is not required for the degree of Doctor of Medicine, but students are encouraged to engage in individual work as far as their

time permits, with the hope that they may accomplish results worthy of publication. It is desirable, therefore, for some students to devote all their free time to a single subject in which they have a special interest.

The development of technical and scientific proficiency in the various special fields of clinical medicine is not encouraged during the regular medical course but must await adequate training after graduation.

The first year of study is devoted to anatomy, biochemistry, physiology, and psychobiology.

In the second year, the subjects of physiology and microbiology are completed, and the student takes up work in parasitology, pathology, pharmacology, physical diagnosis, psychiatry, neurology, clinical pathology, public health, ophthalmology, radiology, and surgery.

During the third and fourth years, students are divided into small groups for practical work in the various clinics and for elective work. The third year class meets each day for clinical lectures and demonstrations.

ELECTIVE TIME

In addition to scheduled free time in the curriculum for the first three years, elective time is available in the second and fourth years. In the second year, each afternoon in the third trimester has no scheduled classes and may be used to pursue elective courses of special interest to the student, or for individual research.

SUMMER FELLOWSHIPS

A few fellowships paying a modest stipend are available for selected students who wish to participate in investigative work during the summers following the first and second years.

The faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without previous notice to students.

DESCRIPTION OF COURSES

ANATOMY

ROY C. SWAN, Professor of Anatomy

JOSEPH C. HINSEY, Professor of Neuroanatomy

JOHN MACLEOD, Associate Professor of Anatomy

WILLIAM A. GEOHEGAN, Assistant Professor of Clinical Anatomy

WILBUR D. HAGAMEN, Assistant Professor of Anatomy

LAWRENCE W. HANLON, Assistant Professor of Anatomy

ELIZABETH D. HAY, Assistant Professor of Anatomy

ERNEST W. LAMPE, Assistant Professor of Clinical Anatomy

LEONARD L. ROSS, Assistant Professor of Anatomy

DAVID B. SLAUTTERBACK, Assistant Professor of Anatomy

Instructors:

Dana C. Brooks

Susumu Ito

Naomi Fitch

Bettison E. Shapiro

Research Assistant: James E. March

Research Fellow: Antti Telkka

MICROSCOPIC ANATOMY....Lectures, demonstrations, and laboratory work. The lectures are largely devoted to the presentation of current concepts of the microscopic and submicroscopic structure of the cells and tissues of the body. An effort is also made in the lectures to give the student some familiarity with the principal investigational methods of histology and of experimental cell research, including microtomy and selective staining; histochemical reactions; tissue culture and transparent chamber techniques; micromanipulation; phase contrast, interference and polarization microscopy, and electron microscopy.

A loan collection of histological sections is studied in the laboratory, and training is given in the rapid visual identification of sections of the normal organs. The work on tissues fixed and stained by routine methods is supplemented by study of demonstration slides prepared by special research techniques.

Laboratory and lectures, 213 hours, first and second terms. Required of all first year students.

NEUROANATOMY....Laboratory course on the gross and microscopic anatomy of the human nervous system. Special emphasis is placed upon the more important nervous pathways and their functions.

Laboratory and demonstrations, 84 hours. Required of all first year students during the second term.

GROSS ANATOMY. . . Regional anatomy taught by means of lectures, demonstrations, and dissection. The most important feature is the opportunity provided for the student to carry out a thorough dissection of the human body. Lectures are used to point out the clinical significance of the more important anatomical relations in each region. In addition, lectures in embryology, growth, and development are given to provide the background for a better understanding of normal anatomy and the genesis of the common congenital anomalies.

Total laboratory hours, 341. First and second terms of the first year. Required of all first year students.

ELECTIVE COURSES. . . Subject to the department's approval, the equipment of the department of anatomy is available to medical students wishing to pursue advanced study or research in anatomical subjects. Schedules to fit individual requirements will be arranged for a limited number of third and fourth year students who may wish to spend a major portion of their elective time in this department. Such elective time may be used for (1) a review of gross dissection or (2) a research project in neuroanatomy or microscopic anatomy. Members of the staff will direct the progress of such undertakings.

GROSS ANATOMY. . . A limited number of graduates in medicine will be provided with material for dissection of the human body. Fee, \$50 for a term of ten weeks; or for entire dissection, \$100.

COURSE IN SURGICAL ANATOMY. . . Dr. Ernest W. Lampe. An extensive review of surgical anatomy with demonstrations and dissections specially designed for candidates for the American Board of Surgery. The fee, \$200 for a term of four weeks, includes matriculation, registration charges, and tuition. Limited to 25 persons. Inquiries may be directed to Office of the Dean, Cornell University Medical College, 1300 York Avenue, New York 21, N.Y.

ANATOMICAL RESEARCH. . . Subject to special arrangement with the head of the department.

BIOCHEMISTRY

VINCENT DU VIGNEAUD, Professor of Biochemistry

ROY W. BONSNES, Associate Professor of Biochemistry

DONALD B. MELVILLE, Associate Professor of Biochemistry

JULIAN R. RACHELE, Associate Professor of Biochemistry

WILLIAM D. CASH, Assistant Professor of Biochemistry

HELENA GILDER, Assistant Professor of Biochemistry

FRANK R. N. GURD, Assistant Professor of Clinical Biochemistry

Research Associates:

Miklos Bodanszky
George S. Denning, Jr.
Raymond DeVan Kimbrough, Jr.

Walter L. Koltun
Conrad H. Schneider-de Quervain

Instructor: John E. Stouffer

Research Fellows:

Esther Breslow

V. V. S. Murti

Assistant: Sarah Sue Shippey

The instruction in biochemistry is concentrated in the first year and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and physics. The object is to impart that fundamental knowledge of biochemistry which is necessary to the comprehension of the bearings of chemistry upon medicine.

The schedule during the first and second terms is devoted to an intensive course in general biochemistry by means of lectures, demonstrations, and conferences. During the third term the instruction is centered largely in the laboratory and the conference room where the knowledge gained in the first two terms is consolidated and amplified. Considerable emphasis is laid upon quantitative rather than qualitative laboratory procedures. Throughout these lectures the application of biochemistry to the study of disease and metabolic disturbances is stressed. Collateral reading in biochemical literature is encouraged.

FIRST AND SECOND TERM. . . . Lecture and conference course dealing with the chemistry and intermediary metabolism of proteins, fats, carbohydrates, and purines; enzymes, digestion, intestinal putrefaction, and feces; the composition of the tissues, blood, milk, and urine; hormones and vitamins; the elements of physical chemistry as applied to biology and medicine, with emphasis on the fundamental properties of electrolytes and colloids. 33 hours, first term. 33 hours, second term.

THIRD TERM. . . . Laboratory course with lectures and conferences extending the work of the first two terms. 154 hours, third term.

ELECTIVES

ADVANCED LABORATORY WORK OR RESEARCH. . . . By special arrangement.

COURSES OPEN TO SPECIAL STUDENTS

BIOCHEMISTRY. . . . Fee, \$25 a term.

BIOCHEMICAL LITERATURE. . . . Seminar on the current literature in biochemistry, mainly for graduate students but open to a limited number of specially qualified medical students. Hours to be arranged. Professors du Vigneaud, Melville, and Rachele.

BIOCHEMICAL PREPARATIONS....Laboratory dealing with the isolation, synthesis, and analysis of selected compounds of biological importance. Hours, credits, and fees to be arranged. The staff.

RESEARCH IN BIOCHEMISTRY....By arrangement with the head of the department.

MEDICINE

E. HUGH LUCKEY, Professor of Medicine (*Chairman*)

THOMAS P. ALMY, Professor of Medicine

JOSEPH H. BURCHENAL, Professor of Medicine

JOHN E. DEITRICK, Professor of Medicine

CLAUDE E. FORKNER, Professor of Clinical Medicine

RICHARD H. FREYBERG, Professor of Clinical Medicine

GEORGE M. LEWIS, Professor of Clinical Medicine (Dermatology)

ADE T. MILHORAT, Professor of Clinical Medicine

RULON W. RAWSON, Professor of Medicine

GEORGE G. READER, Professor of Medicine

PAUL REZNIKOFF, Professor of Clinical Medicine

HAROLD J. STEWART, Professor of Clinical Medicine

HAROLD G. WOLFF, Ann Parrish Titzell Professor of Medicine (Neurology)

IRVING S. WRIGHT, Professor of Clinical Medicine

HORACE S. BALDWIN, Associate Professor of Clinical Medicine

ANTHONY C. CIPOLLARO, Associate Professor of Clinical Medicine (Dermatology)

FRANK E. CORMIA, Associate Professor of Clinical Medicine (Dermatology)

HENRY D. DIAMOND, Associate Professor of Clinical Medicine

HENRY S. DUNNING, Associate Professor of Clinical Medicine

RALPH L. ENGLE, Jr., Associate Professor of Medicine

AARON FEDER, Associate Professor of Clinical Medicine

WILLIAM T. FOLEY, Associate Professor of Clinical Medicine

SIDNEY M. GREENBERG, Associate Professor of Clinical Medicine

EDWIN T. HAUSER, Associate Professor of Clinical Medicine

LEON HELLMAN, Associate Professor of Medicine

LAWRENCE E. HINKLE, JR., Associate Professor of Clinical Medicine

ELLIOT HOCHSTEIN, Associate Professor of Clinical Medicine

MELVIN HORWITZ, Associate Professor of Clinical Medicine

DAVID A. KARNOFSKY, Associate Professor of Medicine

GEORGE L. KAUER, Associate Professor of Clinical Medicine

B. H. KEAN, Associate Professor of Clinical Medicine (Tropical Medicine)

MILTON L. KRAMER, Associate Professor of Clinical Medicine

JOHN S. LADUE, Associate Professor of Clinical Medicine

ALLYN B. LEY, Associate Professor of Clinical Medicine

MARY H. LOVELESS, Associate Professor of Clinical Medicine

DANIEL S. LUKAS, Associate Professor of Medicine

CARL MUSCHENHEIM, Associate Professor of Clinical Medicine

W. P. LAIRD MYERS, Associate Professor of Medicine

THEODORE W. OPPEL, Associate Professor of Clinical Medicine

MARY ANN PAYNE, Associate Professor of Clinical Medicine

OLOF H. PEARSON, Associate Professor of Medicine

RALPH E. PETERSON, Associate Professor of Medicine

SIDNEY ROTHBARD, Associate Professor of Medicine

ALBERT L. RUBIN, Associate Professor of Medicine

DONALD J. SIMONS, Associate Professor of Clinical Medicine
 MARVIN H. SLEISENGER, Associate Professor of Clinical Medicine
 J. JAMES SMITH, Associate Professor of Clinical Medicine
 MARTIN SONENBERG, Associate Professor of Medicine
 CHESTER M. SOUTHAM, Associate Professor of Medicine
 ARTHUR M. SUTHERLAND, Associate Professor of Clinical Medicine*
 DAVID D. THOMPSON, Associate Professor of Medicine
 ALPHONSE E. TIMPANELLI, Associate Professor of Clinical Medicine
 EDWARD TOLSTOI, Associate Professor of Clinical Medicine
 ROBERT F. WATSON, Associate Professor of Clinical Medicine
 BRUCE P. WEBSTER, Associate Professor of Clinical Medicine
 CHARLES H. WHEELER, Associate Professor of Clinical Medicine*
 BYARD WILLIAMS, Associate Professor of Clinical Medicine

 KENNETH C. ARCHIBALD, Assistant Professor of Medicine
 JEREMIAH A. BARONDESS, Assistant Professor of Clinical Medicine
 CURTIS H. BAYLOR, Assistant Professor of Clinical Medicine
 DAVID V. BECKER, Assistant Professor of Medicine
 E. LOVELL BECKER, Assistant Professor of Medicine
 RICHARD S. BENUA, Assistant Professor of Medicine
 KEEVE BRODMAN, Assistant Professor of Clinical Medicine
 KATHARINE BUTLER, Assistant Professor of Clinical Medicine
 HENRY A. CARR, Assistant Professor of Clinical Medicine
 LORING F. CHAPMAN, Assistant Professor of Psychology in Medicine (Neurology)
 AARON D. CHAVES, Assistant Professor of Clinical Medicine
 WILLIAM N. CHRISTENSON, Assistant Professor of Medicine
 EUGENE J. COHEN, Assistant Professor of Clinical Medicine
 HARVEY S. COLLINS, Assistant Professor of Medicine
 PETER G. DENKER, Assistant Professor of Clinical Medicine (Neurology)
 JOHN W. DOUGHERTY, Assistant Professor of Clinical Medicine (Dermatology)
 MURRAY DWORETZKY, Assistant Professor of Clinical Medicine
 WILLIAM J. EISENMENGER, Assistant Professor of Clinical Medicine
 ROSE RUTH ELLISON, Assistant Professor of Medicine
 ALBERT J. ERDMAN, Jr., Assistant Professor of Clinical Medicine
 GEORGE C. ESCHER, Assistant Professor of Clinical Medicine
 JOHN T. FARRAR, Assistant Professor of Clinical Medicine
 JOHN A. FINKBEINER, Assistant Professor of Clinical Medicine
 CONSTANCE FRIESS, Assistant Professor of Clinical Medicine
 WILLIAM GELLER, Assistant Professor of Clinical Medicine
 ELSIE A. GIORGI, Assistant Professor of Clinical Medicine
 SIGMUND N. GROCH, Assistant Professor of Clinical Medicine
 SUSAN J. HADLEY, Assistant Professor of Clinical Medicine
 LEONARD D. HAMILTON, Assistant Professor of Medicine
 MILTON HELPERN, Assistant Professor of Clinical Medicine
 EUGENE L. HORGER, Assistant Professor of Clinical Medicine
 RAYMOND W. HOUDE, Assistant Professor of Medicine
 ABRAHAM S. JACOBSON, Assistant Professor of Clinical Medicine
 WILLIAM H. KAMMERER, Assistant Professor of Clinical Medicine
 LEMOYNE C. KELLY, Assistant Professor of Clinical Medicine
 THOMAS KILLIP, III, Assistant Professor of Medicine
 FREDERIC T. KIRKHAM, Jr., Assistant Professor of Clinical Medicine
 HENRY B. KIRKLAND, Assistant Professor of Clinical Medicine
 GERALD H. KLINGON, Assistant Professor of Clinical Medicine
 HERBERT KOTEEN, Assistant Professor of Clinical Medicine
 IRWIN H. KRAKOFF, Assistant Professor of Medicine

*On leave of absence.

MICHAEL LAKE, Assistant Professor of Clinical Medicine
 RICHARD E. LEE, Assistant Professor of Clinical Medicine
 LEON I. LEVINE, Assistant Professor of Clinical Medicine*
 SOL S. LICHTMAN, Assistant Professor of Clinical Medicine
 ROBERT M. LINTZ, Assistant Professor of Clinical Medicine
 MACK LIPKIN, Assistant Professor of Clinical Medicine
 CHARLES D. MARPLE, Assistant Professor of Clinical Medicine
 KIRBY A. MARTIN, Assistant Professor of Clinical Medicine
 ABRAHAM MAZUR, Assistant Professor of Biochemistry in Medicine
 A. PARKS McCOMBS, Assistant Professor of Clinical Medicine
 RICHARD R. McCORMACK, Assistant Professor of Clinical Medicine
 ELLEN McDEVITT, Assistant Professor of Medicine
 FLETCHER H. McDOWELL, Assistant Professor of Medicine (Neurology)
 ROBERT H. MELCHIONNA, Assistant Professor of Clinical Medicine
 NORMAN PLUMMER, Assistant Professor of Clinical Medicine
 J. WILLIAM POPPELL, Assistant Professor of Medicine
 R. A. REES PRITCHETT, Assistant Professor of Clinical Medicine
 HENRY RENFERT, Jr., Assistant Professor of Clinical Medicine
 EDGAR A. RILEY, Assistant Professor of Clinical Medicine
 THOMAS N. ROBERTS, Assistant Professor of Clinical Medicine
 DAVID M. ROSEMAN, Assistant Professor of Clinical Medicine
 ISRAEL STEINBERG, Assistant Professor of Clinical Medicine
 RICHARD W. STONE, Assistant Professor of Clinical Medicine
 WILLIAM D. STUBENBORD, Assistant Professor of Clinical Medicine
 MARGUERITE P. SYKES, Assistant Professor of Medicine
 DOUGLAS P. TORRE, Assistant Professor of Clinical Medicine (Dermatology)
 CORNELIUS H. TRAEGER, Assistant Professor of Clinical Medicine
 PARKER VANAMEE, Assistant Professor of Medicine
 CHARLES E. WELLS, Assistant Professor of Medicine
 CHARLES A. WERNER, Assistant Professor of Clinical Medicine
 FELIX WROBLEWSKI, Assistant Professor of Clinical Medicine

Research Associates:

Beatrice B. Berle	Ralph Heimer	Kenneth R. Woods
Mary E. W. Goss	Gene G. Kassebaum	
Saul Green	Margaret E. Todd	

Instructors:

Seymour Advocate	Samuel H. Brethwaite, Jr.	Lisgar B. Eckardt
Anthony A. Antoville	Veronica C. Brown	Robert E. Eckardt
Lucien I. Arditi	Bernerd H. Burbank	George E. Ehrlich
George C. Armistead, Jr.	Edward A. Burkhardt	Ernest R. Esakof
Edward M. Ashenhurst	Foo Chu	Emil A. Falk
Sam C. Atkinson, Jr.	Burton D. Cohen	Lawrence Farmer
Olav Austlid	Hugh E. Claremont	John T. Flynn
Charles A. Bailey	Bayard D. Clarkson	Alvin H. Freiman
Lloyd T. Barnes	Denton S. Cox	Francis J. Gilroy
Barbara Bates	Jean A. Cramer	Selig M. Ginsburg
Bry Benjamin	Jeff Davis	Robert D. Gittler
Ruth P. Berkeley	Marion Davis	David Goebel
Carl A. Bernsten	Roger M. Des Prez	Robert B. Golbey
Aaron W. Bortin	Monroe T. Diamond	Oscar E. Goldstein
Warren S. Braveman	Carolyn H. Dichl	Charles H. Goodrich

*On leave of absence.

Keith O. Guthrie, Jr.
 Thomas C. Guthrie
 Marshall J. Hanley
 Louis A. Hauser
 Leonard L. Heimoff
 Herman G. Helpern
 Lawrence B. Hobson
 Edward I. Honig
 Robert D. Huebner
 Lewis J. Hurwitz
 Norman J. Isaacs
 Leif Y. Jacobsen
 Bernard Jaslowitz
 Thomas P. Jernigan
 Clarence Wm. Jordahl, Jr.
 Lawrence I. Kaplan
 Anna Kara
 J. Harry Katz
 Bernard Koven
 O. Dhodanand Kowlessar
 Henn Kutt
 Martha Larsen
 David H. Law
 Harold L. Leder
 Robert E. Lee
 Dorothea Lemcke
 Bruce C. Levy
 Charles M. Lewis
 Marjorie Lewisohn
 Jerrold S. Lieberman
 Martin Lipkin
 Donald B. Louria
 Norton M. Luger
 Melville G. Magida
 John F. Marchand
 Mark R. Marciano

Aaron J. Marcus
 Klaus Mayer
 N. Eileen McGrath
 George A. McLemore, Jr.
 Allen W. Mead
 John J. Mead, III
 Daniel G. Miller
 Raymond E. Miller
 David W. Molander
 Willis A. Murphy
 Warren P. Nestler
 Luigia Norsa
 Irwin Nydick
 Thomas C. Parsons
 Marjorie B. Patterson
 George E. Peabody
 Francis S. Perrone
 Aurelia Potor
 S. Frederick Rabiner
 James A. Reilly
 Milton Reisch
 Sanford M. Reiss
 Laurie E. Rennie
 Charles H. Ressler
 Jack Richard
 Thomas G. Rigney
 Seymour H. Rinzler
 William C. Robbins
 Bernard Rogoff
 Julius L. Rogoff
 Isadore Rosenfeld
 Emanuel Rudd
 Paul Ruegsegger
 Theresa Scanlan
 Leonard Schuyler
 Ernest Schwartz

Arthur W. Seligmann
 Charles Sheard
 Edward M. Shepard
 Paul Sherlock
 Richard T. Silver
 Gerald M. Silverman
 Harry A. Sinclair
 John R. Smith, Jr.
 Lawrence S. Sonkin
 Aaron D. Spielman
 Herbert J. Spoor
 Norton Spritz
 Herman Steinberg
 Peter E. Stokes
 James C. Strickler
 Robert D. Sullivan
 Katharine W. Swift
 Thomas T. Tamlyn
 Maurice Tulin
 Marian Tyndall
 Louis J. Vorhaus, II
 Harold R. Wainerdi
 Milton A. Wald
 Lila A. Wallis
 Clinton G. Weiman
 Haskell J. Weinstein
 Aaron O. Wells
 Marilyn S. Wells
 Erwin A. Werner
 Florence A. Wilson
 Arnold L. Winston
 Edward A. Wolfson
 Alexander W. Young, Jr.
 Seymour Zucker
 Barnett Zumoff

Research Fellows in Medicine:

Robert R. Abel
 Stephen M. Ayres
 Gordon D. Benson
 Harrison O. Brown
 George L. Frimpter
 Hortense M. Gandy
 Robert L. Glenn
 Leo S. Goldstein
 Helen Goodell
 Amirav Gordon

Raymond B. Hochman
 Mary E. Hopper
 Radovan Ivancic
 Graham H. Jeffries
 Donald Kaye
 M. Glenn Koenig
 Robert L. Kozam
 Milton Levine
 Jurg Muller

David Ogden
 Sydnor B. Penick
 John H. Prunier
 Rafael O. Rodriguez
 Lawrence Scherr
 Frederic W. Smith
 Miltiades D. Samartzis
 Joseph D. Schattner
 Roger Vandendriessche

Assistants in Medicine:

Peter D. Alden
 Donald Armstrong
 William H. Austin
 Robert J. Baliff
 Jack M. Batson

Theodore M. Bayless
 Edwin L. Bierman
 Phyllis T. Bodel
 Norman Brachfeld
 Kent P. Bradley

Robert G. Brayton
 Ann A. Browder
 Donald J. Cameron
 Walter A. Camp
 Charles B. Carpenter

Susan T. Carver
Major L. Cohn
Donald J. Dalessio
Robert E. Dye
P. Michael Edelman
John W. Evans
Eugene D. Furth
Sidney Goldstein
Donald W. Hoskins
David E. Jenkins
Don Paul Jones
Kent G. Kimball
Thomas Koeze

Stanley G. Korenman
Costas T. Lambrew
T. David Lee, Jr.
Leo R. Lese
Robert A. Levine
William T. London
Arnold I. Meisler
John G. Merselis, Jr.
Lewis M. Neporent
Martin Nydick
Thomas F. O'Brien, Jr.
Richard W. Roberts
J. Robert Shofer

Robert B. Scott
Kurt Hodgson Stenzel
David D. Stone
Michael Stone
Louis W. Sullivan
Frances Thaw
Donald H. Tucker
David G. Underwood
Frank M. Weiser
Edward L. Worthington
Alvin M. Zfass
David S. Zimmon

Lecturers in Medicine: William G. C. Munroe (Tuberculosis), Ignaz W. Oljenick (Neurology), Robert L. Yeager (Tuberculosis)

Students begin their course in medicine in the second term of the second year with physical diagnosis. They are introduced to this subject in the second term (two afternoons a week) by means of lectures, demonstrations, and practical work on normal subjects and patients. In the third term they spend two mornings a week with the patients either in the pavilions of the New York Hospital or on the wards of Bellevue, Memorial, or New York Veterans Administration Hospital.

An introductory course in neurologic diagnostic methods is given under the direction of Dr. Wolff in the third term of the second year. The work consists of demonstrations and intensive training in the discipline of neurological examination. The students in groups of three are assigned to an instructor on the neurology service of Bellevue Hospital. This work coincides in time with the other training in physical diagnosis.

An introductory required course in clinical pathology is given in the third term of the second year, under the direction of Dr. Kellner. It consists of lectures and laboratory work. Among the topics discussed are the theory, practice, and application of methods for the examination of urine, blood, sputum, exudates, transudates, spinal fluid, gastric contents, and feces. The methods studied include chemical, morphological, serological, and animal inoculation methods which are of value as diagnostic procedures. Discussion of the clinical significance of findings is included. In addition, certain allergic phenomena are presented in lecture and demonstration, and their clinical relationship is discussed.

In each of the terms of the third year, one third of the class act as clinical clerks in medicine. Their time is divided equally between the New York Hospital under the supervision of Dr. Luckey and Dr. Wolff, and Bellevue Hospital under the direction of Dr. Almy.

The medical wards of the New York Hospital comprise five public pavilions totaling 126 beds. Those at Bellevue have approximately 100 teaching beds. The service includes patients with diseases of the nervous

system and of the skin. These are under the care of subdepartments which are organized for teaching and clinical research as well as the management of patients. They are, therefore, analogous to independent departments of dermatology and neurology as seen in other hospitals. An active pulmonary service is functioning in close cooperation with the surgical service and pediatric service. Beds on the fourth floor at the New York Hospital are used for the study and treatment of infectious diseases, including tuberculosis, the exanthemata, and syphilis. There is close cooperation with the department of psychiatry in the study of the neuroses and early manifestations of psychoses found in the wards and dispensary.

The backbone of the student's training as a clinical clerk is believed to be his own experience with patients as amplified by reading and by contact with members of the hospital and teaching staff. He is given as much responsibility as is practical, namely, the recording, in the hospital records, of his own histories and laboratory examinations. These, together with his physical examinations, are supervised by tutors, each of whom has responsibility for the supervision of a small group of students. Additional teaching consists of rounds with the visiting and house staff and more formal conferences once a week in which the clerks present cases for criticism and discussion. In these it is attempted to cover the more important fields of internal medicine. The work of the clerkships is supplemented by frequent clinical conferences which are held throughout the academic year. During the clinical clerkship the students receive further training in the evaluation of signs and symptoms of disease of the nervous system. Two teaching visits a week at the New York Hospital are dedicated to neurological problems. This work supplements that of the second year by placing special emphasis upon etiology and therapeutics in diseases of the nervous system.

The instruction of the senior students is conducted in the outpatient department with the intent of offering experience in general medicine, neurology, dermatology, and other medical specialties. Other departments of the clinic such as physiotherapy and dietotherapy provide demonstrations. Practical work with patients is supplemented by seminars, demonstrations, and conferences and by presentation of subjects by the students.

This course for seniors has been fused with the Medical Comprehensive Care and Teaching Program, description of which will be found below.

Clinical-pathology conferences organized by the department of pathology in conjunction with the clinical departments occur weekly throughout the year.

ELECTIVE COURSES

CARDIOVASCULAR-RENAL DISEASE (at Bellevue Hospital)...Dr. Rubin and others. For a period of two months. Maximum registration, two students. The work will consist of following patients with cardiac problems and disturbances of acid-base balance, reading electrocardiograms, and participating in investigative projects.

ENDOCRINOLOGY AND METABOLISM...For periods of two months. Maximum registration, two students. Assignments to diabetic clinic, endocrine clinic, and metabolism ward, and participation in applicable laboratory methods.

NEUROLOGY...Dr. Harold G. Wolff and staff. For periods of one month or two months. Maximum registration, three students. For the shorter period, the work will include participation in clinical activities, on the neurological outpatient department and ward. For the longer period, it will include also participation in investigative problems.

CARDIOLOGY...Dr. Harold J. Stewart and staff. For periods of two months. Maximum registration, one student. Participation in the cardiac clinic and wards, the reading of electrocardiograms, and assignments to research problems.

HEMATOLOGY...Dr. Paul Reznikoff and staff. For periods of one month or two months. Maximum registration, two students. Participation in clinical activities in the outpatient department, ward, and hematology laboratory, together with possible assignment to investigate problems.

NEUROANATOMY...Dr. Fletcher H. McDowell. The development and anatomy of the nervous system and laboratory work on the reconstruction of the nervous system. Each student makes his own model. The anatomical background of the diseases of the nervous system is considered. Hours to be arranged with the instructor.

FORENSIC MEDICINE...(a) *A series of 15 lectures* given by Dr. Milton Helpert. The subject matter is illustrated with material derived from cases investigated by the office of the Chief Medical Examiner of the Borough of Manhattan.

Covers the following topics: the obligations and rights of physicians; relations of the physician to government agencies; functions of the office of medical examiner and of coroner; investigation and determination of the cause of sudden, suspicious, and violent deaths; the medicolegal necropsy; identification, signs of death, changes in the body after death; sudden natural death; relationship of disease and trauma; suicidal, accidental, and homicidal violent deaths; blunt force injuries,

stab and bullet wounds, traumatic asphyxia, rape, abortion, infanticide; toxicology, especially the indications of poisoning and the selection of organs for chemical analysis; examination of blood stains, seminal stains, and hair; forensic application of blood grouping; occupational injuries and diseases.

Tuesday afternoon, 5-6 p.m.

(b) *Practical course.* An opportunity will be given to learn the circumstances surrounding and to observe at first hand the autopsy findings in numerous and varied cases of sudden, unexpected, suspicious, and violent deaths, which are continuously being brought to the attention of the Office of the Chief Medical Examiner of the Borough of Manhattan for investigation.

To be given at the City Mortuary, 400 East 29th Street.

Applicants should arrange their time with Dr. Helpern.

OTHER ELECTIVES

Other special electives may be arranged through conference with the head of the department.

MEDICAL COMPREHENSIVE CARE AND TEACHING PROGRAM

The course in comprehensive medicine occupies the major attention of half the senior class during each of the two semesters of the fourth year. It is designed to be a synthesis of the many disciplines to which the medical student has been exposed and, as such, may be considered a laboratory course in patient care.

Both the Medical and Pediatric Clinics have been designated as Comprehensive Care Clinics in which, through the use of consultants, the diagnosis and treatment of patients are carried out with minimal referral to other clinics. In this exercise senior students play a responsible and functioning role. Each student is assigned to new patients visiting the Comprehensive Care Clinic and, in addition, to especially selected family care patients for whom he serves as a family physician. He sees the adult members of the family in the general medical clinic and the children in the general pediatric clinic by appointment. Under appropriate circumstances, the student may make supervised house calls on his patients to diagnose and treat illness.

Social factors in patient care are emphasized through participation of the staff of the New York Hospital social service department. One social worker has been appointed to coordinate the activities of this staff, as well as the services provided by community agencies. Similarly, a public health nurse coordinates nursing activities in the program.

Teaching of preventive medicine is the responsibility of a physician representing the department of public health and preventive medicine.

Emotional aspects of disease are stressed through the participation of a selected group of psychiatrists from the department of psychiatry. Also, a member of the department of medicine participates in teaching the psychosomatic aspects of illness.

A representative of the department of surgery and one from the department of obstetrics and gynecology provide appropriate consultation services in their specialties to the Comprehensive Care Clinics.

Part-time electives in medical and pediatric subspecialties, psychiatry, and preventive medicine are offered each student in addition to the regular clinic work.

Dr. George G. Reader is in over-all charge of the program and is assisted by three assistant directors, two from the department of medicine together with the staff of the medical outpatient department, and one from the department of pediatrics together with the staff of the pediatric outpatient department.

MICROBIOLOGY AND IMMUNOLOGY

JAMES M. NEILL, Professor of Microbiology and Immunology

JOHN Y. SUGG, Associate Professor of Microbiology and Immunology

IRVING ABRAHAM, Assistant Professor of Microbiology and Immunology

KENNETH A. LAURENCE, Assistant Professor of Microbiology and Immunology

WILLIAM M. O'LEARY, Assistant Professor of Microbiology and Immunology

Instructor: Roy Cleeland, Jr.

Lecturer: Alvin Hollander

Given in the first term of the second year. Emphasis is placed upon the aspects of microbiology and immunology that are pertinent to an understanding of the infectious diseases.

FIRST YEAR. . . The laboratory work includes a survey of representative morphological groups of pathogenic bacteria, a study of the microbial flora of the upper respiratory and lower intestinal tracts of healthy persons, and experiments on the mechanisms involved in antigen-antibody reactions. The lectures are directed toward the establishment of general concepts, particularly the principles involved in microbial growth, the principles underlying active immunization, and the factors that enter into host-parasite relationships.

Lectures and laboratory, 55 hours.

SECOND YEAR. . . In this term a more intensive study is made of the agents of specific infections, including fungi, spirochetes, rickettsiae, and viruses, as well as bacteria. General concepts introduced in the first term are further developed by applying them to the specific diseases.

Laboratory work with material from patients is included to illustrate the application of fundamental principles to practical problems. The action of chemotherapeutic agents, especially those of microbial origin, are considered.

Lectures, laboratory, and conference, 99 hours.

ELECTIVE COURSES. . . The department will arrange a schedule of work for fourth year students who wish to devote their elective time to microbiology and immunology.

OBSTETRICS AND GYNECOLOGY

R. GORDON DOUGLAS, Professor of Obstetrics and Gynecology (*Chairman*)

JOSEPH F. ARTUSIO, Jr., Professor of Anesthesiology in Obstetrics and Gynecology

EDWARD H. DENNEN, Professor of Clinical Obstetrics and Gynecology

JOSEPH N. NATHANSON, Professor of Clinical Obstetrics and Gynecology

FRANK R. SMITH, Professor of Clinical Obstetrics and Gynecology

THOMAS L. BALL, Associate Professor of Clinical Obstetrics and Gynecology

ROY W. BONSNES, Associate Professor of Biochemistry in Obstetrics and Gynecology

RALPH W. GAUSE, Associate Professor of Clinical Obstetrics and Gynecology

RANDOLPH GEPFERT, Associate Professor of Clinical Obstetrics and Gynecology

OSCAR GLASSMAN, Associate Professor of Clinical Obstetrics and Gynecology

ARTHUR V. GREELEY, Associate Professor of Clinical Obstetrics and Gynecology

DONALD G. JOHNSON, Associate Professor of Clinical Obstetrics and Gynecology

ELMER E. KRAMER, Associate Professor of Clinical Obstetrics and Gynecology

ROBERT LANDESMAN, Associate Professor of Clinical Obstetrics and Gynecology

BENJAMIN E. MARBURY, Associate Professor of Anesthesiology in Clinical Obstetrics and Gynecology

CHARLES M. McLANE, Associate Professor of Clinical Obstetrics and Gynecology

CURTIS L. MENDELSON, Associate Professor of Clinical Obstetrics and Gynecology

NELSON B. SACKETT, Associate Professor of Clinical Obstetrics and Gynecology

GEORGE SCHAEFER, Associate Professor of Clinical Obstetrics and Gynecology

MYRON I. BUCHMAN, Assistant Professor of Clinical Obstetrics and Gynecology

JUSTIN T. CALLAHAN, Assistant Professor of Clinical Obstetrics and Gynecology

JOHN T. COLE, Assistant Professor of Clinical Obstetrics and Gynecology

ROBERT L. CRAIG, Assistant Professor of Clinical Obstetrics and Gynecology

WILLIAM F. FINN, Assistant Professor of Clinical Obstetrics and Gynecology

WILLIAM P. GIVEN, Assistant Professor of Clinical Obstetrics and Gynecology

GRAHAM G. HAWKS, Assistant Professor of Clinical Obstetrics and Gynecology

ANN P. KENT, Assistant Professor of Clinical Obstetrics and Gynecology

EDWARD C. MANN, Assistant Professor of Clinical Obstetrics and Gynecology

VALENTINO B. MAZZIA, Assistant Professor of Anesthesiology in Clinical Obstetrics and Gynecology

RICHARD A. RUSKIN, Assistant Professor of Clinical Obstetrics and Gynecology

E. FLETCHER SMITH, Assistant Professor of Clinical Obstetrics and Gynecology

CHARLES T. SNYDER, Assistant Professor of Clinical Obstetrics and Gynecology

WILLIAM J. SWEENEY, Assistant Professor of Clinical Obstetrics and Gynecology

MARJORIE J. TOPKINS, Assistant Professor of Anesthesiology in Clinical Obstetrics and Gynecology

Research Associate: Elaine Grimm, Ph.D.

Instructors:

Hugh R. K. Barber
 Naef K. Basile
 Charles H. Bippart
 Stanley J. Birnbaum
 Perry S. Boynton
 Alfred Brockunier
 David B. Crawford, Jr.
 E. William Davis, Jr.
 Thomas F. Dillon

Hugh Halsey, II
 Robert C. Knapp
 John R. Langstadt
 Cyril C. Marcus
 William D. McLarn
 Robert N. Melnick
 Francis X. Moffitt
 Myles C. Morrison, Jr.
 Bernard Nathanson

Virginia K. Pierce
 M. A. Platt
 Jay B. Skelton
 Edward F. Stanton
 John S. Van Mater
 Virginia Werden
 Robert E. Wieche
 Herbert A. Zaccheo

Assistants:

Thomas W. Cook
 Herbert A. Dietzel
 E. William Haywa
 Charles H. Hirsch
 Charles Hoffman

A. Garland Jonas, Jr.
 Leonard A. LaBua
 Anne-Kristin Lindkvist
 Frederick W. Martens
 Samuel F. Ryan

Frederick Silverman
 John D. Sproul
 E. Thomas Steadman
 James C. Warenski
 Harry D. Wilson

The Lying-In Hospital, a division of The New York Hospital, provides 116 pavilion beds for teaching purposes in obstetrics and gynecology. In addition, the private service consists of a total of 91 beds. Students are given practical instruction in the out-patient department clinics of both obstetrics and gynecology and in the various special clinics operated for the more intensive study and care of patients with unusual problems. The students are provided every opportunity to benefit from the clinical work as carried on and demonstrated on the wards and in the operating and delivery rooms.

There are approximately 5,300 adult admissions to the obstetrical service and 2,500 to the gynecological service each year.

SECOND YEAR

ORIENTATION AND INTRODUCTION TO GYNECOLOGICAL EXAMINATION.... During the last trimester of the second year, two two-hour sessions on orientation in the discipline and a review of basic and pertinent clinical anatomy are given to one quarter of the class every two weeks. Subsequently, two one-hour sessions involving instruction in pelvic examination are given to groups of four students six days weekly. 6 hours. Professors Douglas, Given, Ball, Johnson, and staff.

THIRD YEAR

COURSE I. THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY.... Lectures and demonstrations covering the anatomy and physiology of the female reproductive system; the physiology and pathology of pregnancy, labor, and puerperium; and the etiology, pathology, and diagnosis of diseases of the pelvic structures.

The entire class meets for these sessions on Mondays and Saturdays 8:30 to 9:30 a.m. throughout the year. Professors Douglas, McLane,

Kramer, Frank Smith, Given, Johnson, Ball, Gause, and staff. Total hours, 66.

COURSE II. PRACTICAL INSTRUCTION... Given to one-sixth of the class for periods of one-half of a trimester ($5\frac{1}{2}$ weeks) on Tuesdays and Thursdays 9:30 a.m. to 11:30 a.m. Deals especially with physical diagnosis in both obstetrical and gynecological patients, and manikin exercises. Professors Dennen, Kramer, Hawks, Ruskin, Dillon, Bernard Nathanson, and staff.

COURSE III. SEMINAR... Given to one-sixth of the class for periods of one-half of a trimester ($5\frac{1}{2}$ weeks) on Tuesdays and Thursdays 11:30 a.m. to 12:30 p.m. Conducted on an informal basis; active student participation is encouraged. The subject matter pertains largely to obstetrical complications of pregnancy and labor. Professors Given, Johnson, and staff.

COURSE IV. INFECTIOUS AND NEOPLASTIC DISEASES... Instruction in diseases of bacterial origin commonly seen in obstetrics and gynecology, together with discussions of the problems of malignant neoplastic disease in this field. The basic concepts of radiation therapy, with emphasis on the application to malignant disease in the female generative tract. Given to one-third of the class each trimester. Mondays 9:30 to 10:30 a.m. Professors Douglas, Burnett (Radiology), Dillon, Davis, and staff.

COURSE V. OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY... Laboratory instruction in obstetrical and gynecological pathology, both gross and microscopic. Given to one-third of the class each trimester. Mondays 10:30 a.m. to 12:30 p.m. Professors Kramer, Davis, Finn, Snyder, and staff. Total hours, 77 for Courses II, III, IV, and V.

FOURTH YEAR

MAJOR PRACTICAL OBSTETRICS AND GYNECOLOGY... Comprises practical work in obstetrics and gynecology and is the sequel to the theoretical instruction offered to the third year students. Each student will serve in The Lying-In Hospital for a period of $7\frac{1}{2}$ weeks, during which time he will act as a clinical assistant in the obstetrical and gynecological department; this includes activities in hospital wards, delivery and operating rooms, and clinics. Students assigned to the delivery floor will be provided with sleeping accommodations but not with board. The student is expected to participate in all departmental teaching functions. Daily rounds are held on each floor to keep him informed on all activities in addition to those relating to his assigned patients.

The practical work includes the prenatal care of many patients, attending them in labor and delivery as well as following them through-

out the course of the puerperium. Facilities are also provided for the student to examine gynecological patients and to observe these patients through diagnostic and therapeutic procedures.

A conference is conducted each morning 8:30 to 9:30 a.m. for those students assigned to the delivery floor. Problems encountered during the previous day are thoroughly discussed. Active student participation is encouraged. Professors Joseph Nathanson, Hawks, and Ruskin.

Because of the nature of the service, night and weekend work is required. Minimum hours allotted to the course, 285.

DEPARTMENTAL STAFF CONFERENCES AND ROUNDS... A weekly staff conference is held on Mondays from 2 to 4 p.m. and rounds on Fridays from 11 a.m. to 1 p.m. Symposia and instructive case reports with student participation will be presented. Professor Douglas and staff.

A clinical-surgical pathologic conference is held each Wednesday from 5 p.m. to 6 p.m. Current pathological material, gross and microscopic, is projected and correlated with the clinical data. Professors Kramer, Davis, and staff.

LABOR AND DELIVERY FLOOR TEACHING... Four or five students are assigned to this area for one-third of their departmental time. In addition to continuous supervision and individual instruction a special teaching conference is held each morning, 8:30-9:30 a.m. Professor Nathanson and staff.

OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY... Current representative pathological material with a brief clinical history and microscopic projection will be presented each Wednesday from 5 to 6 p.m. Professor Kramer and staff.

ELECTIVE COURSES

PRACTICAL OBSTETRICS AND GYNECOLOGY... A limited number of students will be accepted to serve as assistants in different clinics.

Courses can be arranged in the chemical, bacteriological, and pathological laboratories for the study of specific research problems. The special clinics provide teaching facilities and opportunities for clinical investigation in neoplastic disease, endocrinology, heart disease, infertility, and other fields. The various rounds and staff conferences can be attended.

Encouragement is given for original work according to the departmental facilities and the student's capabilities and in general will be designed to meet the student's qualifications.

PATHOLOGY

JOHN G. KIDD, Professor of Pathology

JOHN M. PEARCE, Professor of Pathology

JOHN T. ELLIS, Associate Professor of Pathology

AARON KELLNER, Associate Professor of Pathology

GEORGE E. MURPHY, Associate Professor of Pathology

GEOTZ W. RICHTER, Associate Professor of Pathology

F. STEPHEN VOGEL, Associate Professor of Pathology

ROBERT L. HIRSCH, Assistant Professor of Pathology

JOHN F. SEYBOLT, Assistant Professor of Pathology

Research Associate: John D. Broome

Instructor: Eric Pike

Assistants:

W. Robert Anderson

Boyce Paller Bennett

Diethelm Böhme

Harry G. Browne

Wallace G. Campbell

Frederick G. Dalldorf

Charles A. Santos-Buch

Charlotte M. Street

Helga Windhager

Lecturers:

Arthur S. Carlson

Milton Helpern

Theodore Robertson

GENERAL PATHOLOGY

FACILITIES

The department of pathology occupies three floors of the central part of the College building, conveniently located above the library and in immediate contact with the Hospital, the autopsy room being in the connecting wing between College and Hospital. The teaching is largely concentrated on the third floor, where the autopsy room, demonstration room for pathological anatomy, anatomical museum, and classrooms are situated. The fourth and fifth floors are chiefly unit laboratories for staff members and graduate students and for technical preparation. In addition, animal quarters and facilities for experimental work are on the fifth, sixth, and seventh floors.

The museum contains a carefully selected collection of specimens, representing most of the common and many of the more unusual pathological lesions. It is especially rich in lesions of bones and in tumors. In addition to this mounted collection, there is available a very considerable amount of constantly changing gross material for student study.

The postmortem service of the New York Hospital affords abundant opportunity for study of pathological anatomy and its relation to clinical medicine. The systematic records of autopsies performed at the New York Hospital have been preserved since 1851, and in recent years protocols and microscopic slides have been carefully indexed and filed.

INSTRUCTION. . . Instruction is given in the second and third terms of the second year. Gross and histological lesions are studied, and their

pathogenesis and correlation with disturbed function are considered. Lectures and classroom demonstrations are supplemented by studies at the autopsy table. The course begins with the degenerations, inflammation, and repair and proceeds with the various specific infections and tumors. The latter part of the course is devoted to special systemic pathology including an introduction to neuropathology.

GENERAL AND SPECIAL PATHOLOGY . . . Required in the second and third terms of the second year.

Professor Kidd and staff. 275 hours.

NEUROPATHOLOGY . . . The pathology of the nervous system is studied, and altered structure and function are correlated.

Professor Vogel. 33 hours.

CLINICAL PATHOLOGICAL CONFERENCES . . . These conferences are held in cooperation with the staffs of the clinical departments of the Hospital and Medical College each week throughout the year. Observations concerning the clinical course and diagnosis of diseases are correlated with changes found at autopsy.

CYTOLOGIC DIAGNOSIS OF CANCER . . . This course, given in the Papanicolaou Cytology Laboratory, consists of training in the technique and interpretation of smears prepared from various body fluids, with lectures, discussions, and laboratory work. It is designed for qualified physicians and laboratory workers. Will not be given in 1959-1960. The fee, including tuition, matriculation, and administration charges, is \$300. The size of the class is limited. Inquiries may be directed to Dr. John F. Seybolt, Cornell University Medical College, 1300 York Avenue, New York 21, N.Y.

ELECTIVE COURSES . . . A student may undertake the investigation of some problem in pathology or may pursue advanced courses in any of the several fields to be determined by consultation with the heads of the departments. Research or elective courses will ordinarily require the entire time of the student for a period of one to three months and may be continued into the summer.

PEDIATRICS

SAMUEL Z. LEVINE, Professor of Pediatrics (*Chairman*)

CARL H. SMITH, Professor of Clinical Pediatrics

ARTHUR F. ANDERSON, Associate Professor of Clinical Pediatrics

LEONA BAUMGARTNER, Associate Professor of Clinical Pediatrics

MARGARET DANN, Associate Professor of Pediatrics

HAROLD W. K. DARGEON, Associate Professor of Clinical Pediatrics

PAUL F. DE GARA, Associate Professor of Clinical Pediatrics (Allergy)

HEINZ F. EICHENWALD, Associate Professor of Pediatrics

MARY ALLEN ENGLE, Associate Professor of Pediatrics

JOHN E. FRANKLIN, Associate Professor of Clinical Pediatrics
 EDMUND N. JOYNER, III, Associate Professor of Clinical Pediatrics
 HEDWIG KOENIG, Associate Professor of Clinical Pediatrics
 BARBARA M. KORSCH, Associate Professor of Pediatrics
 MILTON I. LEVINE, Associate Professor of Clinical Pediatrics
 CHARLES H. O'REGAN, Associate Professor of Clinical Pediatrics
 MARJORIE A. WHEATLEY, Associate Professor of Clinical Pediatrics

HAROLD B. ADAMS, Assistant Professor of Clinical Pediatrics
 BARBARA S. ASHE, Assistant Professor of Pediatrics
 SAMUEL R. BERENBERG, Assistant Professor of Clinical Pediatrics
 OTTO E. BILLO, Assistant Professor of Clinical Pediatrics
 MURRAY DAVIDSON, Assistant Professor of Clinical Pediatrics
 SAMUEL W. DOOLEY, Assistant Professor of Clinical Pediatrics
 ROBERT O. DuBOIS, Assistant Professor of Clinical Pediatrics
 NATHAN EPSTEIN, Assistant Professor of Clinical Pediatrics
 MARION E. ERLANDSON, Assistant Professor of Pediatrics
 BARBARA FISH, Assistant Professor of Clinical Pediatrics
 MARTIN J. GLYNN, Assistant Professor of Clinical Pediatrics
 HENRY P. GOLDBERG, Assistant Professor of Clinical Pediatrics
 JAMES Q. HARALAMBIE, Assistant Professor of Clinical Pediatrics
 FREDERICK C. HUNT, Assistant Professor of Clinical Pediatrics
 MARGARET M. KUGLER, Assistant Professor of Clinical Pediatrics
 WAN NGO LIM, Assistant Professor of Pediatrics
 FLORENCE N. MARSHALL, Assistant Professor of Clinical Pediatrics
 ROBERT G. MCGOVERN, Assistant Professor of Clinical Pediatrics
 MARION McILVEEN, Assistant Professor of Clinical Pediatrics
 JOAN E. MORGENTHAU, Assistant Professor of Pediatrics
 M. LOIS MURPHY, Assistant Professor of Pediatrics
 MARTHA L. SMITH, Assistant Professor of Clinical Pediatrics
 GERTRUDE S. STERN, Assistant Professor of Pediatrics
 MAXWELL STILLERMAN, Assistant Professor of Clinical Pediatrics
 KENNETH K. TSUBOI, Assistant Professor of Biochemistry in Pediatrics
 LOUIS E. WEYMULLER, Assistant Professor of Clinical Pediatrics
 STANLEY S. ZIPSER, Assistant Professor of Clinical Pediatrics

Research Associates:

Katharine Cobb	Helen McNamara	Morton M. Urivetsky
Olga Kotsevalov	S. Frederick Rabiner	

Instructors:

Richard R. Bass	George S. Harris	Madoka Shibuya
Charles H. Bauer	Ingeborg S. Hoffman	Henry R. Shinefield
Ann McA. Birch	Tomiko Ito	Beatrice S. Slater
Walter T. Carpenter	Edward Kearney	Charlotte Tan
Leon I. Charash	Phyllis H. Koteen	Peter S. Tolins
Ruth Cudmore	Armond V. Mascia	Alvah M. Weiss
Joseph H. Di Leo	Maria I. New	Myron Winick
Marvin J. Gersh	Virginia E. Pomeranz	

Fellows:

Albert M. Arky	Margaret M. Hilgartner	Morteza Moghazeh
Doris K. Eskenazi	Melville G. Magida	Marilyn G. Porter
Rosalie M. Guarano	Jer M. Master	

Assistants:

Ronald Altman

Lewis Arnow

Renee Brilliant

Edward A. Davies

Kathryn H. Ehlers

Sidney A. Levine

Virginia C. Mitty

Rebecca F. Notterman

Howard Schreiber

Arthur O. Stein

Jerome M. Torsney

Thornton A. Vandersall

Research Assistant: Elizabeth V. New

THIRD YEAR. . . A clinical lecture once a week throughout the entire school year presents the subjects of normal growth and development in infants and children and principles of nutrition with application to infant feeding, with patients illustrating the peculiarities of disease in early life. Students serve as clinical clerks in pediatrics for a period of five and one-half weeks on the pavilions of the New York Hospital. They are assigned new cases in rotation and gain experience in diagnosis and in the management of sick children requiring hospital residence. They are on duty in rotation at night and week ends. The work of the clinical clerkship includes attendance at cardiac clinics and at departmental conferences. Special rounds and seminars are arranged for the benefit of the clerks. Instruction in contagious disease is given at The New York Hospital. Total hours, 205.

FOURTH YEAR. . . The clinical lectures are continued through part of the fourth year and are closely integrated with the fourth year lectures in internal medicine. Many of the students' activities are a part of the Comprehensive Care and Teaching Program (see page 72). Students are assigned to the outpatient department in the mornings, where they are given supervised responsibility for the management of ambulatory pediatric patients. They take histories, make physical examinations, and prescribe treatment. A daily therapeutic conference supplements the clinical work. A series of seminars is held under the supervision of senior staff members. Emphasis is placed on the psychological aspects of pediatrics and the measures which can be taken to promote proper growth and development. Both in the General Pediatric Clinics and the Well Baby Clinics students are given the opportunity for longitudinal follow-up of individual patients so as to become familiar with normal growth and development of infants and children and the natural history of disease processes. Under supervision students make home visits to patients with acute and chronic illness and give medical care in the home as indicated. Trips to inspect community resources are planned in relation to patient referrals. Cooperation with the department of obstetrics makes possible contacts with mothers during the antepartum and lying-in period. Total hours, 86.

ELECTIVE COURSES. . . Elective courses are offered to fourth year students. These include the General Pediatric Clinics, Isolation Unit, some special Pediatric Clinics, and work in the Division of Child Development.

PHARMACOLOGY

WALTER F. RIKER, JR., Professor of Pharmacology

HARRY GOLD, Professor of Clinical Pharmacology

WALTER MODELL, Associate Professor of Pharmacology

JANET TRAVELL, Associate Professor of Clinical Pharmacology

GERHARD WERNER, Associate Professor of Pharmacology

JOSEPH F. REILLY, Assistant Professor of Pharmacology

JAY ROBERTS, Assistant Professor of Pharmacology

Instructor: Frank G. Standaert

Research Fellows:

William C. Beaver

Edmund Gaughan

Argyrios J. Golfinos

Christel Hierholzer

SECOND YEAR... Laboratory work, demonstrations, seminars, and lectures are given during the first term of the second year and constitute the basic course in pharmacology. The purpose of these exercises is to teach the principles of pharmacology. Detailed consideration is given to the parameters of drug action so as to provide the student with the fundamental concepts essential for the evaluation of any drug. Consequently emphasis is placed on the scientific basis of pharmacology without particular reference to a systematic consideration of drugs or their applications. Rather, prototype substances serve to illustrate several mechanisms and parameters of drug action. 121 hours.

During the second and third trimesters of the second year, the course in pharmacology is continued with a weekly lecture. In this phase of instruction systematic consideration is given to the pharmacologic properties of the more important drugs in current use. Therapeutic applications are not considered except where they uniquely illustrate pharmacologic characteristics. 22 hours.

FOURTH YEAR... Weekly seminars are held by the Pharmacology Department during the course in Comprehensive Medicine. The aim is to review the pharmacologic properties of selected drugs and from this to ascertain the utility and limitations of these drugs in given clinical situations. Topics for discussion are determined chiefly by student choice. 11 hours.

ELECTIVE COURSES

RESEARCH... Arrangements are made for individuals or groups to participate in original investigations with a view to learning the methods of pharmacological research. Special opportunities are afforded for work in general and clinical pharmacology and for specific aspects, e.g. muscle-nerve, autonomic nervous system, central nervous system, and the cardiovascular system.

PHYSIOLOGY AND BIOPHYSICS

ROBERT F. PITTS, Professor of Physiology

ROGER L. GREIF, Associate Professor of Physiology

D. ROBERT AXELROD, Assistant Professor of Physiology

GERHARD H. GIEBISCH, Assistant Professor of Physiology

HAROLD G. HEMPLING, Assistant Professor of Physiology

RICHARD H. KESSLER, Assistant Professor of Physiology

SHERMAN KUPFER, Assistant Professor of Physiology

Instructor: Erich E. Windhager

Research Fellows:

John L. Brown
J. Robert Cade

Klaus Hierholzer
Robert J. Shalhoub

James C. Strickler
William A. Webber

FIRST YEAR. . . Lectures, conferences, laboratory experiments, and demonstrations. Physiology of muscle and nerve, blood, heart, circulation, digestion, the central nervous system, special senses. The laboratory work one full day a week includes experiments on these subjects. 110 hours.

SECOND YEAR. . . Lectures, conferences, laboratory experiments, and demonstrations. Physiology of respiration, endocrines, kidney, and metabolism. Laboratory exercises one full day a week. 121 hours.

The instruction in physiology is directed toward an understanding of the principles involved in the functioning of the human body and the integration of its various systems. The lectures are supplemented by references to the current literature. The department is fortunate in having housed on the fourth floor of its building the Graham Lusk Library of Physiology, a gift to the department from its late Professor Graham Lusk. This includes bound volumes of complete sets of the important physiological and biochemical literature, monographs, handbooks, and textbooks, and is being supplemented by some of the current journals and monographs. In addition to the College library, the facilities of this library are at the disposal of the students of medicine.

The laboratory work includes a number of human experiments, emphasizes mammalian physiology, and is directed toward quantitative determinations. The laboratory experiments are chosen to illustrate fundamental principles in the respective fields of physiology and are correlated with lectures by means of conferences. The demonstrations include instruction in specialized techniques, experimental preparations, and presentation of clinical cases. These are facilitated by the participation and cooperation of staff members of various departments in the Medical College and the New York Hospital.

ELECTIVE COURSES. . . The department will arrange a schedule of work for fourth year students who wish to devote their elective time to physiology.

COURSES OPEN TO SPECIAL STUDENTS

1. *PHYSIOLOGY*. Fee, \$100 for each term.
2. *PHYSIOLOGICAL RESEARCH*. Subject to special arrangement with head of the department.

PSYCHIATRY

OSKAR DIETHELM, Professor of Psychiatry (*Chairman*)
 PHYLLIS GREENACRE, Professor of Clinical Psychiatry
 ALEXANDER H. LEIGHTON, Professor of Psychiatry (Social Psychiatry)
 JAMES H. WALL, Professor of Clinical Psychiatry

J. LOUISE DESPERT, Associate Professor of Clinical Psychiatry
 FRANCIS J. HAMILTON, Associate Professor of Clinical Psychiatry
 LAWRENCE E. HINKLE, JR., Associate Professor of Clinical Medicine in Psychiatry
 RICHARD N. KOHL, Associate Professor of Psychiatry
 DOROTHEA C. LEIGHTON, Associate Professor of Clinical Psychiatry (Social Psychiatry)
 LIVINGSTON WELCH, Associate Professor of Psychology in Psychiatry
 HAROLD G. WOLFF, Associate Professor of Psychiatry

ERIC T. CARLSON, Assistant Professor of Clinical Psychiatry
 HELEN E. DANIELLS, Assistant Professor of Clinical Psychiatry
 FREDERIC F. FLACH, Assistant Professor of Clinical Psychiatry
 SEYMOUR G. KLEBANOFF, Assistant Professor of Psychology in Psychiatry
 CHARLES A. KNEHR, Assistant Professor of Psychology in Psychiatry
 NORVELLE C. LAMAR, Assistant Professor of Clinical Psychiatry
 THOMAS S. LANGNER, Assistant Professor of Sociology in Psychiatry
 JAMES F. MASTERSON, JR., Assistant Professor of Clinical Psychiatry
 CURTIS T. PROUT, Assistant Professor of Clinical Psychiatry
 LEON L. RACKOW, Assistant Professor of Clinical Psychiatry
 JOSEPH F. REILLY, JR., Assistant Professor of Pharmacology in Psychiatry
 FRED V. ROCKWELL, Assistant Professor of Clinical Psychiatry
 ALBERT C. SHERWIN, Assistant Professor of Psychiatry
 JOSEPH D. SULLIVAN, Assistant Professor of Clinical Psychiatry
 WILLIAM H. WAINWRIGHT, Assistant Professor of Psychiatry

Research Associates:

George A. W. Angus	Charles C. Hughes	William D. Longaker
John S. Harding	Edward R. Llewellyn-Thomas	Stanley T. Michael

Instructors:

Arthur A. Anderson, Jr.	Barbara Fish	M. Dorothea Kerr
Stuart Ashman	Gerard Fountain	Ludwig Laufer
Valer Barbu	M. Freile-Fleetwood	John F. Marchand
James E. Baxter	Martin J. Gerson	Lillian E. McGowan
A. Louise Brush	Stephen Goodyear	John F. McGrath
Remo R. Cerulli	Richard S. Green	William K. McKnight
Howard N. Cooper	Lawrence J. Hatterer	Alan A. McLean
Eleanor Crissey	Philip S. Herbert, Jr.	Maurice Pachter
Lois B. de Alvarado	Peter T. Janulis	Martha K. Reese
Thomas L. Doyle, Jr.	Francis D. Kane	Philip S. Robbins
G. Renee Ferguson	Marilyn G. Karmason	George Rosenberg

Shirley Schaffer
George F. Schnack
Marie-Louise Schoelly
Donald E. Schultz
Herbert E. Spohn

Peter E. Stokes
Leonard R. Straub
Hans Syz
Kenneth F. Tucker
Morton L. Wadsworth

Nathaniel Warner
Henriette Wayne
Walter D. Woodward
Arnold S. Zentner

Research Fellow: Arthur D. Console

Assistants:

Rosalie M. Barr
Bernard L. Hébert
Allison B. Landolt
Edward Y. Liang

Rene C. Mastrovito
Robert S. McCully
Frank L. Rundle
Anne M. Shuttleworth

Thomas H. Smith
Traer Van Allen
Peter G. Wilson

Research Assistants:

Norman Dain
Jane M. Hughes

Alice L. Longaker
Lionel Vallee

Renee Vallee

The department of psychiatry offers instruction during each of the four years. The understanding of development of the normal personality forms a necessary basis for future clinical training. A course in psychopathology in the second year orients the student in personality disorders and in the methods of their examination and study. In the third year, this preliminary training is utilized in the study of patients at the Payne Whitney Psychiatric Clinic and on the pavilions of the New York Hospital. In the psychiatric outpatient department, during the fourth year, the student participates in the study and treatment of the diverse problems presenting themselves in general psychiatric practice. The importance of personality problems in general medicine is taught in the pavilions of the New York Hospital, in the Comprehensive Care and Teaching Program, and in the outpatient service of the Payne Whitney Psychiatric Clinic. Clinics are planned to unify these many activities and to offer in addition a broad understanding of treatment and investigation.

FIRST YEAR: PERSONALITY DEVELOPMENT.... Acquaints the student with the development and methods of study of the normal personality. Lectures and seminars are utilized in presenting a dynamic orientation to the formation of personality from infancy through senescence. The significance of interpersonal relations is stressed, with particular emphasis on the patient-physician relationship. Psychological, physiological, and sociological factors are considered. Total hours, 22.

SECOND YEAR: PSYCHOPATHOLOGY AND METHODS OF EXAMINATION.... The outstanding psychopathological phenomena are demonstrated and their psychodynamics studied by the students on patients in the outpatient department of the Payne Whitney Psychiatric Clinic. Offers practical experience in interviewing and history taking and in the methods of psychiatric examination. Total hours, 33.

THIRD YEAR: CLINICAL PSYCHIATRY... Intended to clarify the descriptive and dynamic aspects of the major types of psychiatric disorders in such a way that the student will be able to formulate goals and method of treatment in all patients. The program includes lectures, seminars, and case discussions. Students examine and follow in-patients at the Payne Whitney Psychiatric Clinic; in addition, patients from the general hospital are reviewed. Total hours, 33.

FOURTH YEAR: CLINICAL PSYCHIATRY... In the outpatient department of the Payne Whitney Psychiatric Clinic, the student carries out the treatment of individual patients. Offers an opportunity to learn psychotherapy under close supervision and to understand the role of psychiatric social service and of psychological studies in the adjustment of these patients. Clinics with case presentation, with emphasis on psychiatric treatment and review of literature, are given on Wednesday from 2 to 3 o'clock. Seminars deal with the psychopathology of childhood and the management of related difficulties. Total hours, 99.

ELECTIVE WORK... Opportunities for elective work are provided in the in- and outpatient departments, in the laboratories of the Payne Whitney Psychiatric Clinic, and in the department of social psychiatry, with emphasis on community psychiatry and epidemiology of mental illness, and at the Westchester Division of the New York Hospital, White Plains, N.Y.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

WALSH McDERMOTT, Livingston Farrand Professor of Public Health and Preventive Medicine

LEONA BAUMGARTNER, Professor of Clinical Public Health and Preventive Medicine

WILLIAM T. INGRAM, Visiting Professor of Engineering in Public Health and Preventive Medicine

EDWIN D. KILBOURNE, Associate Professor of Public Health and Preventive Medicine

JOHN J. ADAIR, Assistant Professor of Social Anthropology in Public Health and Preventive Medicine

SAMUEL R. BERENBERG, Assistant Professor of Clinical Public Health and Preventive Medicine

BEATRICE B. BERLE, Assistant Professor of Clinical Public Health and Preventive Medicine

IRWIN D. J. BROSS, Assistant Professor of Biometrics in Public Health and Preventive Medicine

AARON D. CHAVES, Assistant Professor of Clinical Public Health and Preventive Medicine

KURT W. DEUSCHLE, Assistant Professor of Public Health and Preventive Medicine

MURRAY DWORETZKY, Assistant Professor of Clinical Public Health and Preventive Medicine

FRANKLIN M. FOOTE, Assistant Professor of Clinical Public Health and Preventive Medicine

B. H. KEAN, Assistant Professor of Parasitology in Public Health and Preventive Medicine

ANN P. KENT, Assistant Professor of Clinical Public Health and Preventive Medicine

JAMES R. MCCARROLL, Assistant Professor of Public Health and Preventive Medicine

ROBERT M. McCUNE, JR., Assistant Professor of Public Health and Preventive Medicine

PHILIP OLLSTEIN, Assistant Professor of Clinical Public Health and Preventive Medicine

WILLIS M. WEEDEN, Assistant Professor of Clinical Public Health and Preventive Medicine

SAM C. WONG, Assistant Professor of Public Health and Preventive Medicine

Research Associates:

Hugh S. Fulmer

Sidney Weinberg

Instructors:

Margaret Dressler

Gladys L. Hobby

R. P. Sim

James E. Ewing

William Loery

Richard Usen

Research Fellows:

William Anderson

Michael A. Rosenbluth

Eric Cassell

Jerome L. Schulman

Lecturer: Milton L. Zisowitz (Medical Writing)

The teaching aim of the department of public health and preventive medicine is to assist the student to recognize the relationship between his expanding capital of medical theory and knowledge and the medical problems of the time. Of necessity, this involves the consideration of certain questions in terms more general than those pertaining to an individual patient, but the medical problems of certain patients may also be profitably considered in relation to the times in which they live.

The courses start at the beginning of the second year and are continued throughout the third and fourth years.

SECOND YEAR: PARASITOLOGY... The first course is in diseases caused by the larger parasites which are particularly prevalent in so-called economically underdeveloped areas.

Given by Dr. B. H. Kean and his associates during the first trimester of the school year. Dr. Kean is Consultant in Tropical Diseases to the New York Hospital and has had extensive field experience in the tropics. The important larger parasites of man are considered: the mode of transmission of each parasite is studied, as well as the life cycle and intermediate hosts. Particular emphasis is placed on the clinical aspects of the various diseases that may be produced by the parasites. Prevention and control of human parasitic diseases are given proper consideration, and the therapy of these conditions is discussed. Actual cases of parasitic diseases are used to illustrate the laboratory exercises and the lectures.

Each Monday afternoon during the first trimester of the second year, a lecture or demonstration is presented from 2 to 3 p.m., and the laboratory exercises are then carried on from 3 to 5 p.m. Total hours, 33.

SECOND YEAR: EPIDEMIOLOGY... During the second trimester of the year an introduction to epidemiology is given under the direction of Dr. James McCarroll. Emphasis is placed on patterns of disease occurrence and spread in the population and consideration of the intimate relationship between the nature of a community and its disease problems. Instruction is scheduled for each Monday afternoon from 2 to 5 p.m. throughout the second trimester. The initial hour is devoted to formal presentation of these concepts and the remaining time to laboratory problems in which the student analyzes actual outbreaks of disease. Four sessions are devoted to Biostatistics and are concerned essentially with methods of statistical analysis as they relate to the interpretation of medical data. Total hours, 33.

THIRD YEAR... The course in the third year is divided into two parts: (A) morning lectures or clinics; and (B) seminars or clinics on preassigned topics.

The morning lectures or clinics are held every Friday throughout the year. Both the seminars and the lectures are devoted to consideration of general questions of a clear medical import which may be expected to represent major problems to the students' future patients and to himself. Except for the morning lectures, the teaching is all conducted with groups of 7 to 17 students. Total seminars and section work, 36 hours; total morning clinics, 33 hours.

FOURTH YEAR... The teaching program in the fourth year is centered in the Comprehensive Care and Teaching Program in the Medical Clinic. One of the full-time members of the department is a regular member of the teaching staff of the CCTP program and serves to coordinate the teaching activities of the other departmental members in the program. In addition, a series of 5 seminars are held during each one half year. Total hours, 14.

ELECTIVE COURSES

EPIDEMIOLOGY AND INFECTIOUS DISEASES... Experimental work and problems related to virology, immunology and chronic bacterial infection may be undertaken when feasible in the Division of Virus Research or other laboratories of the department of public health and preventive medicine. In addition, problems in practical epidemiology of infectious and noninfectious disease may be undertaken. Studies involving library scholarship may be pursued in any of

the foregoing categories under guidance of faculty members of the department.

MEDICAL PARASITOLOGY... Intended to supplement and extend the required work in this field. Diagnosis, life histories of parasites and their vectors, and control measures are considered with special reference to tropical medicine.

NAVAJO RESERVATION... An opportunity is provided for a small number of fourth year students to work under supervision during their elective quarter as externs within hospital facilities located at the Navajo Medical Center or in field work at the Navajo-Cornell-Many Farms Project in Arizona. These elective courses are directed by Dr. Kurt Deuschle, and the field program is subject to the current availability of funds and housing.

RADIOLOGY

JOHN A. EVANS, Professor of Radiology (*Chairman*)

JAMES J. NICKSON, Professor of Radiology

ROBERT S. SHERMAN, Professor of Clinical Radiology

HAROLD L. TEMPLE, Professor of Clinical Radiology

HARRY W. BURNETT, Associate Professor of Radiology

NATHANIEL FINBY, Associate Professor of Radiology

ULRICH K. HENSCKE, Associate Professor of Clinical Radiology

RALPH F. PHILLIPS, Associate Professor of Clinical Radiology

ISRAEL STEINBERG, Associate Professor of Clinical Radiology

CHARLES W. BREIMER, Assistant Professor of Clinical Radiology

FLORENCE CHIEN-HWA CHU, Assistant Professor of Clinical Radiology

KUO YORK CHYNN, Assistant Professor of Radiology

ELIZABETH F. FOCHT, Assistant Professor of Radiology (Physics)

ROBERT H. FREIBERGER, Assistant Professor of Clinical Radiology

GEORGE JASPIN, Assistant Professor of Clinical Radiology

MARVIN LORING, Assistant Professor of Radiology

ZUHEIR MUJAHED, Assistant Professor of Radiology

NATHAN POKER, Assistant Professor of Radiology

HENRY M. SELBY, Assistant Professor of Clinical Radiology

EDWARD TEN EYCK, Assistant Professor of Radiology

STEPHEN WHITE, Assistant Professor of Clinical Radiology

Instructors:

Thane Asch

Arnold Bajek

David V. Becker

Eugene L. Bronstein

Harold Chiat

Frederick W. Deck

Paul M. Duchesneau

Arthur I. Hutner

Irving Schwartz

Samuel Seal

Ruth E. Snyder

Assistants:

David Faegenburg

David Hayt

Walter G. Heimann

McGregor Knight

James Marquis

Gerald Needleman

Efthimios Spyropoulos

The teaching of radiology is conducted by didactic lectures, by section work with smaller groups in connection with clinical clerkships, and by presentation of the X-ray aspects of various cases at the regular conferences of the clinical departments. Moreover, elective courses given in the fourth year play an important part in supplementing these methods. A large film and lantern slide museum of cases carefully selected for their teaching value has been prepared. This is constantly added to from the abundant material passing through the department. Three floors of the L Building are assigned to X-ray work. In addition, equipment for special examinations is located in the Woman's Clinic, urology, psychiatry, and elsewhere in the Medical College and Hospital.

During the first year, in collaboration with the department of anatomy, anatomical structures are visualized by radiographic and roentgenoscopic methods.

The didactic work consists of a series of eleven lectures to the entire second year class. These include the fundamental principles of radiation physics, X-ray diagnosis, and X-ray and radium therapy, with the aim of making the student aware at this stage of the various uses of X-rays. The indications and limitations are stressed.

Section work is conducted in the third year, while the students are serving as clinical clerks. The departments of medicine, pediatrics, and surgery assign each group receiving instruction from them to the department of radiology for regularly scheduled informal sessions. Specifically related X-ray material is presented and correlated with the clinical and laboratory findings. These sessions total approximately thirty hours.

Twenty lectures on roentgen diagnosis and radiation therapy are given to the fourth year class.

ELECTIVES: FOURTH YEAR

(1) *X-RAY CLINICAL CLERKSHIP* . . . A limited number of students are accepted to observe, and assist, where possible, in the routine activities of the department. The routine includes film interpretations, fluoroscopy, therapeutic irradiation, and attendance at radiology conferences. Two conferences are held daily (L-611) at which time the more interesting diagnostic and therapeutic problems are discussed. One conference is held from 11 a.m. to 12 m. The second session, from 1 to 2 p.m., is limited to a review of the current examinations of the gastrointestinal tract.

(2) *TECHNIQUE OF FLUOROSCOPY* . . . Two hours. Limited to six students. Arrangements to be made through the department head.

(3) *GASTROINTESTINAL FLUOROSCOPY AND FILM INTERPRETATION* . . . One month. Limited to six students at any one time.

During the period of the elective, the students will be permitted to perform fluoroscopic examination under supervision. Arrangements are to be made through the department head.

SURGERY

FRANK GLENN, Lewis Atterbury Stimson Professor of Surgery (*Chairman*)

JOSEPH F. ARTUSIO, JR., Professor of Anesthesiology in Surgery

HERBERT E. CONWAY, Professor of Clinical Surgery (Plastic Surgery)

CRANSTON W. HOLMAN, Professor of Clinical Surgery

VICTOR F. MARSHALL, Professor of Clinical Surgery (Urology)

JOHN M. McLEAN, Professor of Clinical Surgery (Ophthalmology)

S. W. MOORE, Professor of Clinical Surgery

JOHN M. PEARCE, Professor of Pathology in Surgery

BRONSON S. RAY, Professor of Clinical Surgery (Neurosurgery)

T. CAMPBELL THOMPSON, Professor of Clinical Surgery (Orthopedics)

PRESTON A. WADE, Professor of Clinical Surgery

WILLIAM A. BARNES, Associate Professor of Clinical Surgery

JOHN M. BEAL, Associate Professor of Clinical Surgery

EUGENE E. CLIFFTON, Associate Professor of Clinical Surgery

JOHN R. COBB, Associate Professor of Clinical Surgery (Orthopedics)

WILLIAM COOPER, Associate Professor of Clinical Surgery (Orthopedics)

WILLIAM A. COOPER, Associate Professor of Clinical Surgery

NELSON W. CORNELL, Associate Professor of Clinical Surgery

JOHN W. DRAPER, Associate Professor of Clinical Surgery (Urology)

JOHN H. ECKEL, Associate Professor of Clinical Surgery

GEORGE F. EGAN, Associate Professor of Clinical Surgery (Dentistry)

JOHN T. ELLIS, Associate Professor of Pathology in Surgery

GEORGE R. HOLSWADE, Associate Professor of Clinical Surgery

S. FARRAR KELLEY, Associate Professor of Clinical Surgery (Otolaryngology)

ERNEST W. LAMPE, Associate Professor of Clinical Surgery

FREDERICK L. LIEBOLT, Associate Professor of Clinical Surgery (Orthopedics)

BENJAMIN E. MARBURY, Associate Professor of Anesthesiology in Clinical Surgery

GERVAIS W. McAULIFFE, Associate Professor of Clinical Surgery (Otolaryngology)

ALLISTER M. McLELLAN, Associate Professor of Clinical Surgery (Urology)

JAMES A. MOORE, Associate Professor of Clinical Surgery (Otolaryngology)

WILLIAM F. NICKEL, JR., Associate Professor of Clinical Surgery

HERBERT PARSONS, Associate Professor of Clinical Surgery (Neurosurgery)

ROBERT L. PATTERSON, Associate Professor of Clinical Surgery (Orthopedics)

LEE R. STRAUB, Associate Professor of Clinical Surgery (Orthopedics)

F. STEPHEN VOGEL, Associate Professor of Pathology in Surgery

LEWIS C. WAGNER, Associate Professor of Clinical Surgery (Orthopedics)

JOHN P. WEST, Associate Professor of Clinical Surgery

IRVIN BALENSWEIG, Assistant Professor of Clinical Surgery (Orthopedics)

STANLEY J. BEHRMAN, Assistant Professor of Clinical Surgery (Dental Surgery)

ANNE M. BELCHER, Assistant Professor of Clinical Surgery (Otolaryngology)

FRANCIS A. BENEVENTI, Assistant Professor of Clinical Surgery (Urology)

PAUL W. BRAUNSTEIN, Assistant Professor of Clinical Surgery

CHARLES BURSTEIN, Assistant Professor of Anesthesiology in Clinical Surgery

ROLLA D. CAMPBELL, JR., Assistant Professor of Clinical Surgery (Orthopedics)

GEORGE N. CORNELL, Assistant Professor of Clinical Surgery

PETER DINEEN, Assistant Professor of Clinical Surgery

J. EDWIN DREW, Assistant Professor of Clinical Surgery (Urology)

HOWARD S. DUNBAR, Assistant Professor of Clinical Surgery (Neurosurgery)
 EDWARD A. DUNLAP, III, Assistant Professor of Clinical Surgery (Ophthalmology)
 GEORGE A. FIEDLER, Assistant Professor of Clinical Surgery (Urology)
 HAROLD GENVERT, Assistant Professor of Clinical Surgery
 HELENA GILDER, Assistant Professor of Biochemistry in Surgery
 DAN M. GORDON, Assistant Professor of Clinical Surgery (Ophthalmology)
 ALEXANDER HERSH, Assistant Professor of Clinical Surgery (Orthopedics)
 JAMES M. HOLMAN, Assistant Professor of Clinical Surgery (Otolaryngology)
 GUSTAVUS A. HUMPHREYS, Assistant Professor of Clinical Surgery (Urology)
 D. REES JENSEN, Assistant Professor of Clinical Surgery
 VANSEL S. JOHNSON, Assistant Professor of Clinical Surgery
 RICHARD C. KARL, Assistant Professor of Clinical Surgery
 JOSEPH T. KAUER, Assistant Professor of Clinical Surgery
 EDWARD B. C. KEEFER, Assistant Professor of Clinical Surgery
 BERNARD MAISEL, Assistant Professor of Clinical Surgery
 VICTOR MAYER, Assistant Professor of Clinical Surgery (Orthopedics)
 VALENTINO D. B. MAZZIA, Assistant Professor of Anesthesiology in Clinical Surgery
 JOHN H. MCGOVERN, Assistant Professor of Clinical Surgery (Urology)
 FRANK J. MCGOWAN, Assistant Professor of Clinical Surgery
 FREDERICK C. McLELLAN, Assistant Professor of Clinical Surgery (Urology)
 LAURENCE MISCALL, Assistant Professor of Clinical Surgery
 JAMES A. NICHOLAS, Assistant Professor of Clinical Surgery (Orthopedics)
 S. FRANK REDO, Assistant Professor of Surgery*
 ERIC C. RICHARDSON, Assistant Professor of Clinical Surgery (Ophthalmology)
 PETER C. RIZZO, Assistant Professor of Clinical Surgery (Orthopedics)
 JOHN G. SCHMIDT, Assistant Professor of Clinical Surgery
 DONALD M. SHAFER, Assistant Professor of Clinical Surgery (Ophthalmology)
 STUART S. SNYDER, Assistant Professor of Clinical Surgery (Ophthalmology)
 JOHN E. SUTTON, Assistant Professor of Clinical Surgery
 BJORN THORBJARNARSON, Assistant Professor of Surgery
 MARJORIE J. TOPKINS, Assistant Professor of Anesthesiology in Surgery
 FRANCIS P. TWINEM, Assistant Professor of Clinical Surgery (Urology)
 GEORGE E. WANTZ, Assistant Professor of Clinical Surgery
 PHILIP D. WILSON, JR., Assistant Professor of Clinical Surgery (Orthopedics)

Research Associate: Ronald W. Gillette

Instructors:

Manfred Alexander
 Jacob Applebaum
 William D. Arnold
 Samuel Avnet
 William H. Ayres
 Howard Balensweig
 Irving Baras
 Leonard Biel, Jr.
 Mitchell Brice
 Anthony Camarda
 Thomas I. Carey
 Robert L. Clarke
 Edward C. Coats
 Elizabeth F. Constantine
 Carleton M. Cornell

William L. Craver
 Joseph E. Davis
 Robert D. Deans
 John Doherty
 Thomas Dring
 Wade Duley
 Sidney Eichenholtz
 Herbert L. Erlanger
 Francis J. Fadden, Jr.
 Thomas J. Ferraro
 Edgar P. Fleishmann
 Milton Gabel
 Miles A. Galin
 Thomas J. Garrick
 Russell O. Gee

J. Theodore Geiger
 Edward I. Goldsmith
 Dicran Goulian, Jr.
 Milton Greenberg
 Eugene J. Guenard
 Charles K. Hamilton
 J. Paul Harvey
 Bruce R. Heinzen
 Walter B. Hoover
 I. David Horwich
 Suzanne A. L. Howe
 George Johnson, Jr.
 Ira H. Kaufman
 James T. Kelly
 Russell W. Lavengood, Jr.

*On leave of absence.

Jerome Lawrence
Edward B. Leahy
Francis T. Linder
Alfred E. Mamelok
Henry Mannix, Jr.
Peter J. Marchisello
Mary H. Markham
Gerald J. Millstein
George C. Mueller
Juan Negrin
William J. Nelson
John B. Ogilvie

Earl A. O'Neill
Russel H. Patterson, Jr.
Charles W. Pearce
Walter L. Peretz
Robert S. Perry
John E. Peterson
Ricardo E. Rengel
Morris Schnittman
Robert I. Schrier
Michael Sierp
Paul A. Skudder
James W. Smith

Martin Spatz
David S. Speer
John F. Struve
Irwin S. Taylor
Francis M. Tiers
Alan Van Poznak
Philip H. Voorhees
Willis M. Weedon
Roy J. Wiggans, Jr.
Arthur W. Wyker, Jr.
Robert B. Zufall

Research Fellow: David M. Connelly

Assistants:

John J. Beirne
David Kip Berler
Elliott E. Blinderman
C. Elton Cahow, Jr.
Edward J. Carey, Jr.
Julius Conn, Jr.
Armand F. Cortese
Margaret M. Deitzler
Arnold G. Diethelm
Joseph P. Dineen
John P. Donohue
Kenneth R. Douglas
David A. Eaton
Roger R. Ecker
John Eschwege
Andrew P. Ferry
Ames L. Filippone
William C. Frederick
Charles F. Frey
Frederick W. Fuller

Pierre Paul Gagnon
William R. Grafe
Peter M. Guida
Maury L. Hanson
Stanley L. Harris
John H. Hayes
Richard E. Hunt
Mehdi Jandaghi
Paul W. Johnning
Yasuo Kakehi
John G. Keunhelian
Eugene M. Lance
Raynald Lavoie
Ralph J. Lewis
Howard W. Lowery
George B. Magruder
George H. McLeod
Charles K. McSherry
Esmeralda A. Mercado
Robert G. Merin

Richard G. Middleton
George R. Monahan
Peter J. Montemarano
Frank G. Moody
William A. Nolen
Arthur J. Okinaka
William S. Owen
Henry Pauls
Anthony J. Puleo
George P. Reading
Edward M. Ring
Waid Rogers
John F. Rose
Martin E. Rose
Claire A. Schehr
Hans Gunther Therhag
John F. Tulenko
Myron P. Walzak, Jr.
John C. Whitsell, II
John R. Woodard

MEMORIAL HOSPITAL

HENRY T. RANDALL, Professor of Surgery

ALEXANDER BRUNSCHWIG, Professor of Clinical Surgery

MICHAEL R. DEDDISH, Associate Professor of Clinical Surgery

EDGAR L. FRAZELL, Associate Professor of Clinical Surgery

WILLIAM S. HOWLAND, Associate Professor of Anesthesiology in Surgery

GEORGE T. PACK, Associate Professor of Clinical Surgery

WILLIAM L. WATSON, Associate Professor of Clinical Surgery

WILLET F. WHITMORE, Jr., Associate Professor of Clinical Surgery (Urology)

J. WELDON BELLVILLE, Assistant Professor of Anesthesiology in Surgery

ROBERT J. BOOHER, Assistant Professor of Clinical Surgery

C. PAUL BOYAN, Assistant Professor of Anesthesiology in Surgery

WILLIAM J. CAHAN, Assistant Professor of Clinical Surgery

HOLLON W. FARR, Assistant Professor of Clinical Surgery

JOSEPH H. FARROW, Assistant Professor of Clinical Surgery

JOSEPH H. FORTNER, Assistant Professor of Clinical Surgery

NORMAN L. HIGINBOTHAM, Assistant Professor of Clinical Surgery

WALTER LAWRENCE, JR., Assistant Professor of Clinical Surgery
 LUCILE LOSEKE, Assistant Professor of Clinical Surgery
 GORDON P. McNEER, Assistant Professor of Clinical Surgery
 JOHN L. POOL, Assistant Professor of Clinical Surgery
 GUY F. ROBBINS, Assistant Professor of Clinical Surgery
 OLGA SCHWEIZER, Assistant Professor of Anesthesiology in Surgery
 MAUS W. STEARNS, JR., Assistant Professor of Clinical Surgery
 JOHN M. WALKER, Assistant Professor of Clinical Surgery

Instructors:

Lemuel Bowden	John T. Goodner	Ann H. Miller
Richard D. Brasfield	James L. Green	Theodore R. Miller
Charles N. Breed, Jr.	Charles C. Harrold, Jr.	Oliver S. Moore
Daniel Catlin	Ralph E. L. Hertz	Elisabeth P. Pickett
Donald G. C. Clark	Arthur I. Holleb	Stuart Quan
William W. Daniel	Rita G. Jacobs	Joanna R. Smith
James C. Di Lorenzo	John S. Lewis	Reuven Snyderman
Alfred A. Fracchia	John C. Lucas	H. Randall Tollefsen
Frank R. Gerold	Charles J. McPeak	Jerome A. Urban

GENERAL SURGERY

SECOND YEAR. . . A course in Introductory Surgery, presented during the third term of the second year, is devoted to the principles of history taking and physical examination on surgical patients. The course is opened with a series of lecture demonstrations. The students are then assigned in groups of four or five for instruction in the examination of surgical patients under the supervision of a staff instructor. Total hours, 22.

THIRD YEAR. . . Emphasis is placed, in the third year, on the principles in diagnosis and the management of ambulatory patients and the surgical specialties. In the third year the students spend one term in the outpatient departments of general surgery and the surgical specialties. In the diagnostic clinic of general surgery, the students are assigned to new patients and obtain complete history and physical examinations. Differential diagnoses, diagnostic procedures, and therapy are formulated in conference with an attending surgeon. Patients are seen on return visits in order that progress and study of the results of diagnostic procedures may be determined and the subsequent course of the patient outlined in consultation with a staff member. In the minor surgical clinic, as much responsibility as possible is given to the students in the treatment of infections, removal of sutures, and dressing of wounds under the supervision of the surgical instructor. Students are assigned in rotation to the orthopedic, urologic, fracture, ENT, and ophthalmological clinics where they receive instruction in diagnosis and therapy in these surgical specialties. In addition to these clinic activities, a course in operative surgery on animals occupies one morning each week. A team of four students is responsible for the anesthesia and for the performance of a group of classical operative procedures. The course is designed to emphasize the fundamental principles of opera-

tive surgery. Lectures are given three times weekly for the entire group at which time selected topics are presented and discussed. A surgical clinic at the noon hour is held once weekly by the Professor of Surgery. A weekly clinical pathological conference is held for both third and fourth year students. Total hours, 385.

FOURTH YEAR... The fourth year assignment in surgery is devoted to a clinical clerkship on the Surgical Pavilions. The student participates in the management of patients by obtaining a complete history and performing physical examinations and laboratory determinations with the opportunity of participating in the differential diagnosis and the preoperative preparation and of being a member of the operating team in the operating room. The student follows the course of the patient after the operation and attends rounds on the pavilions daily where the problems in management are discussed. A weekly conference is held with a surgical staff member to discuss problems of diagnosis, and the student participation is emphasized. Each week a symposium is conducted by a moderator from the surgical staff where the students present an analysis of the literature of recent advances in surgery. A surgical pathology conference is conducted weekly at which time gross and pathological findings are analyzed from patients from the Surgical Pavilions. Conferences are conducted at noon, four times weekly, in general surgery or one of the specialties including neurosurgery, thoracic surgery, plastic surgery, or anesthesiology. Members of both the third and fourth year classes attend the surgical grand rounds held each Saturday morning. Total hours, 285.

ELECTIVE COURSES

SURGICAL PHYSIOLOGY... Maximum of four students. Eight weeks' course, throughout the year; next course starts June 15. Complete study of electrolyte balance. Students are responsible for clinical patient care under the supervision of attending physicians. Didactic lectures and group discussions. Intensive work.

STUDENT CLERKSHIP... Sixteen medical students. Students will be assigned to various services and will be on call for hospital care. There will be four attending physicians assigned as tutors for the group; each tutor will be responsible for four men. Students will be rotated through Admitting Clinic, Lymphoma Clinic, Medical and Pediatric Clinics, and through either Surgery A (head and neck, thoracic, breast), or Surgery B (gastric and mixed tumor, bone, gynecology, urology, and rectal). There will be 31 one- to two-hour informal discussions with the students, carried out by the senior and junior attending physicians.

ANESTHESIOLOGY... Maximum of two fourth-year students. Four or eight weeks, throughout the year. Theory and practice of anesthesiology. All anesthetics administered under supervision. Daily seminars.

SPECIAL STUDENTS

ALL STUDENTS not registered in Cornell University Graduate School and not registered for the M.D. degree are SPECIAL STUDENTS.

Such students are SPECIAL STUDENTS in the true sense of the word and must be especially qualified in preparation, ability, and objective in order to receive any consideration. They may or may not be graduate students in the sense of having completed work for a collegiate degree.

Special students are admitted *only by the consent of the head of the department* and must be registered in the Administration Office of the Medical College and must pay their fees at the Business Office before being admitted to lectures or laboratory periods. They are required to carry and show on demand of the authorities a permit of attendance.

FEES

Matriculation Fee	\$10
Administration Fee	\$ 5

Tuition fees vary depending upon the type of work taken.
A breakage fee may be required.

TABLE OF REQUIRED HOURS

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>	<i>Total</i>
ANATOMY:					
Embryology and Genetics	44				
Gross Anatomy of the Human Body		285			
Histology	165				
Neuroanatomy	78				572
BIOCHEMISTRY	220				220
MICROBIOLOGY & IMMUNOLOGY.....		154			154
PHYSIOLOGY	231				231
PATHOLOGY		297			297
PHARMACOLOGY		143		11	154
PHYSICAL DIAGNOSIS*		167			167
MEDICINE:					
Clinical Pathology		77			
Specialties, Clerkship & OPD....			352	325	
Lectures			33		787
MEDICAL COMPREHENSIVE CARE†....				300	300
SURGERY:					
Ophthalmology					
Introductory Surgery					
Specialties, Clerkship & OPD			352	285	
Lectures			33		670
OBSTETRICS AND GYNECOLOGY:					
Practical Instruction			77	285	
Lectures			66		428
PEDIATRICS:					
Practical Instruction			154	86	
Lectures			33		
Contagious Diseases			18		291
PSYCHIATRY:					
Personality Development	33				
Psychiatry		33	33	66	
Lectures				33	198
PUBLIC HEALTH:					
Parasitology		33			
Field and Section			36	14	
Lectures		11	33		128
RADIOLOGY			30	20	50
ELECTIVE HOURS		165		285	450
TOTALS	1056	1080	1250	1710	5096

*Includes medical, neurological, surgical, and gynecological aspects of physical diagnosis.

†The Medical Comprehensive Care Program is a joint project of all clinical departments and the department of public health. In addition to the 300 hours not assigned to any one department, this program embraces the assigned fourth year curricular hours of medicine and pediatrics and part of those of psychiatry.

FIRST YEAR SCHEDULE

1959-1960

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9-10	Histology	Gross Anatomy	Histology	Gross Anatomy	Histology	Gross Anatomy	
10-11							
11-12							
12-1			Embryol. & Genetics				
1-2	Biochemistry	Gross Anatomy	Free	Biochemistry	Biochemistry	Free	
2-3	Histology			Free	Free		Histology
3-4							
4-5							

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Neuro-Anatomy	Physiology	Physiology	Physiology	Gross Anatomy	Physiology
10-11		Gross Anatomy	Embryol. & Genetics	Gross Anatomy		Psychiatry
11-12						
12-1						
1-2	Biochemistry				Biochemistry	
2-3	Neuro-Anatomy	Gross Anatomy	Free	Biochemistry	Neuro-Anatomy* Gross	
3-4				Psychiatry		
4-5				Free		

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Biochemistry	Physiology	Biochemistry	Physiology	Biochemistry	Physiology
10-11						
11-12						
12-1						
1-2						
2-3	Biochemistry	Physiology	Free	Physiology	Physiology	
3-4					Free	
4-5	Free					

*Four Sessions Neuro-anatomy and seven sessions Gross Anatomy.

SECOND YEAR SCHEDULE

1959-1960

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
9-10	Pharmacology	Physiology	Physiology	Pharmacology	Physiology	Physiology		
10-11			Microbiology		Pharmacology		Pharmacology	
11-12						Microbiology		Pharmacology
12-1								
1-2								
2-3								
3-4	Microbiology	Physiology	Free	Parasitology	Microbiology			
4-5								

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Pathology	Pathology	Pathology	Pathology
10-11						
11-12						
12-1			Pharmacology			
1-2			Free			
2-3	Public Health	Physical Diagnosis		Physical Diagnosis	Psychiatry	
3-4						
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Physical Diag. "A" Neurol. Diag. IV Intro. Surg. III	Pathology	Physical Diag. "B" Neurol. Diag. I Intro. Surg. II	Physical Diag. "A" Neurol. Diag. III Intro. Surg. IV	Physical Diag. "B" Neurol. Diag. II Intro. Surg. I	Pathology
10-11						
11-12						
12-1	Pharmacology		Introductory Medicine	Neurology	Introductory Medicine	
1-2						
2-3	Ophthalmol- ogy	Clinical Pathology	Free	Radiology	Clinical Pathology	
3-4	Clinical Pathology					
4-5						

REVISED SECOND YEAR SCHEDULE

(Beginning 1960-1961)

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9-10	Pathology	Pharmacology	Pharmacology		Pathology	Microbiology	
10-11			Microbiology	Pharmacology		Pharmacology	Pharmacology
11-12				Microbiology			
12-1							
1-2							
2-3							
3-4	Microbiology	Pharmacology	Free	Microbiology	Microbiology		
4-5							

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Pathology	Pathology	Pathology	Free
10-11						
11-12			Pharmacology			
12-1						
1-2						
2-3	Pb. Hl.	Clinical Pathology	Free	Parasitology	Pharmacology	
3-4	Clinical Pathology				Clinical Pathology	
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Physical Diagnosis*	Physical Diagnosis*	Physical Diagnosis*	Physical Diagnosis*	Psychiatry	Physical Diagnosis*
10-11						
11-12						
12-1						
1-2	Elective	Elective	Elective	Elective	Elective	
2-3						
3-4						
4-5						

*Includes medical, neurological, surgical, and gynecological aspects of physical diagnosis.

THIRD YEAR SCHEDULE

1959-1960

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Ob.-Gyn.	Pediatrics	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Group A: Medicine (1); Ob.-Gyn., Ped., Psych., Pb. Hl. (2); Surgery (3). Group B: Surgery (1); Medicine (2); Ob.-Gyn., Ped., Psych., Pb. Hl. (3). Group C: Ob.-Gyn., Ped., Psych., Pb.-Hl. (1); Surgery (2); Medicine (3).					
1-2						
2-3						
3-4			Free			
4-5	C.P.C.					

 DETAILED SCHEDULE—HALF TERM (5½ WEEKS)
 PEDIATRICS

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Ob.-Gyn.	Pediatrics	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Ob.-Gyn.	Pediatrics				
1-2						
2-3	Pediatrics					
3-4		Pediatrics	Free	Pediatrics		
4-5	C.P.C.					

 DETAILED SCHEDULE—HALF TERM (5½ WEEKS)
 OBSTETRICS AND GYNECOLOGY, PSYCHIATRY,
 PUBLIC HEALTH, CONTAGIOUS DISEASES

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Ob.-Gyn.	Pediatrics	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Ob.-Gyn.	Ob.-Gyn.	Contag. Diseases	Ob.-Gyn.	Pb. Hl.	
1-2						
2-3						
3-4		Psychiatry	Free	Psychiatry	Pb. Hl.	
4-5	C.P.C.					

FOURTH YEAR SCHEDULE

1959-1960

TWO SEMESTERS (SIX DIVISIONS) 22½ WEEKS EACH
JUNE 15 to MAY 20

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-1	<div style="display: flex; justify-content: space-between;"> <div> Section I Section II </div> <div> <i>1st Semester</i> Medical Comprehensive Care D Elec. (1); Ob.-Gyn. (2); Surg. (3). E Surg. (1); Elec. (2); Ob.-Gyn. (3). F Ob.-Gyn. (1); Surg. (2); Elec. (3). </div> <div> <i>2nd Semester</i> { A Elec. (1); Ob.-Gyn. (2); Surg. (3). B Surg. (1); Elec. (2); Ob.-Gyn. (3). C Ob.-Gyn. (1); Surg. (2); Elec. (3). Medical Comprehensive Care </div> </div>					
1-2						
2-3			Psychiatry			
3-4						
4-5	C.P.C.		Special Lect.			

DETAILED SCHEDULE
MEDICAL COMPREHENSIVE CARE

Morning:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Group I { A B	Pediatrics Medicine	Medicine Pediatrics	Pediatrics Medicine	<i>All Groups</i> (9:00-10:00) Lecture (10:00-11:30) Medical Grand Rounds (12:00-1:00) Radiology	Medicine Pediatrics	<i>All Groups</i> Special Conference
II { C D	Seminar Sp'ty Elec.	Sp'ty Elec. Seminar	Seminar Medicine S		Sp'ty Elec. Seminar	
Afternoon:						
I { A B	{ Seminar Pediatrics Sp'ty Elec.	Sp'ty Elec. Seminar	<i>All Groups</i> (2:00-3:00) Psychiatry (3:00-4:00) Com.Care Conf (4:00-5:00) Special Lecture	Seminar Sp'ty Elec.	{ Seminar Pediatrics Medicine Psychiatry (4:00-5:00) <i>All Groups</i> Pediatric Grand Rounds	
II { C D	Psychiatry Medicine	Medicine Psychiatry		Psychiatry Medicine		

Groups I and II switch at the end of eleven weeks.

SLOAN-KETTERING DIVISION OF CORNELL UNIVERSITY MEDICAL COLLEGE

BY AGREEMENT dated June 16, 1950, between Cornell University, Sloan-Kettering Institute for Cancer Research, Memorial Center for Cancer and Allied Diseases, and the Society of the New York Hospital, a graduate division of Cornell University Medical College was established to be known as the Sloan-Kettering Division of Cornell University Medical College.

While each party to the above agreement continues under control and management of its respective Board of Trustees or Managers, there is established a Coordinating Board of eight members, of which two shall be chosen by each of the parties to this agreement. This Board will act as a clearing house of information and as a coordinator of those functions in which all of the parties to this agreement are interested and will make recommendations to the respective Boards of the parties to the agreement.

The Coordinating Board of the Sloan-Kettering Division of Cornell University Medical College consists at present of the following members:

Representatives of Memorial Center

Reginald G. Coombe

J. Albert Woods

Representatives of Sloan-Kettering Institute

Frank A. Howard

Albert Bradley

Representatives of Cornell University

Arthur H. Dean, Chairman of the Executive Committee of the Board of Trustees
Deane W. Malott, President of the University

Representatives of the Society of the New York Hospital

Francis Kernan

Henry S. Sturgis

EDUCATIONAL PLAN OF INSTRUCTION

The facilities of the Sloan-Kettering Graduate Division consist of a thirteen-story laboratory unit (Sloan-Kettering Institute) in direct connection with two hospitals—Memorial Hospital, a voluntary institution

of 280 beds, and the James Ewing Hospital, a unit of the New York City hospital system with 270 beds. The Strang Clinic, another building in the unit, houses the work in preventive medicine in cancer.

The training offered in this division is primarily for advanced students, with the Master's degree or equivalent, working toward the Ph.D. degree. The plan of organization for teaching and research affords ample opportunities for direct participation in investigative work on cancer and allied diseases in recognized divisions of the physical and biological sciences but not in any of the clinical fields such as medicine, pediatrics, and surgery. In addition to the conventional disciplines of biochemistry, biophysics, and pathology, a new department has recently been organized under the heading of "Biology and Growth." This department presents lectures and laboratory work in the field of normal and neoplastic growth, which do not fall in the usual curricular divisions.

BIOCHEMISTRY

OSCAR BODANSKY, Professor of Biochemistry

GEORGE B. BROWN, Professor of Biochemistry

THOMAS F. GALLAGHER, Professor of Biochemistry

M. EARL BALIS, Associate Professor of Biochemistry

AARON BENDICH, Associate Professor of Biochemistry

LIEBE F. CAVALIERI, Associate Professor of Biochemistry

DAVID K. FUKUSHIMA, Associate Professor of Biochemistry

MARY L. PETERMANN, Associate Professor of Biochemistry

H. LEON BRADLOW, Assistant Professor of Biochemistry

JACK J. FOX, Assistant Professor of Biochemistry

ROBERT S. ROSENFELD, Assistant Professor of Biochemistry

JOSEPHINE SALSER, Assistant Professor of Biochemistry

MORTON K. SCHWARTZ, Assistant Professor of Biochemistry

HELEN Q. WOODARD, Assistant Professor of Biochemistry

Research Associate: Ivan I. Salamon

Intensive study is offered in the fields of enzymology, immunochemistry, chemistry and metabolism of proteins, and especially nucleoproteins, and chemistry and metabolism of steroids.

Undergraduate prerequisites include courses in inorganic chemistry, qualitative chemistry, quantitative chemistry, physical chemistry, physics (mechanics, electricity and magnetism, and sound, heat, light), biochemistry, mathematics (through calculus). If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

Students electing biochemistry as a minor subject are expected to complete the regular medical course in biochemistry or its equivalent, as a minimum requirement.

BIOLOGY AND GROWTH

A. J. DALTON, Professor of Biology
 FREDERICK S. PHILIPS, Professor of Pharmacology
 CORNELIUS P. RHOADS, Professor of Pathology
 C. CHESTER STOCK, Professor of Biochemistry
 GEORGE W. WOOLLEY, Professor of Biology
 RALPH K. BARCLAY, Associate Professor of Biochemistry
 DONALD A. CLARKE, Associate Professor of Pharmacology
 A. R. T. DENUES, Associate Professor of Biology
 LEONARD D. HAMILTON, Associate Professor of Biology
 DORRIS J. HUTCHISON, Associate Professor of Microbiology
 JOHN A. JACQUEZ, Associate Professor of Biology
 WILLIAM L. MONEY, Associate Professor of Biology
 ALICE E. MOORE, Associate Professor of Biology
 H. CHRISTINE REILLY, Associate Professor of Microbiology
 HELENE W. TOOLAN, Associate Professor of Pathology
 MARJORIE BASS ZUCKER, Associate Professor of Physiology
 CHARLOTTE FRIEND, Assistant Professor of Microbiology
 JOHN J. HARRIS, Assistant Professor of Biology
 PHILLIP C. MERKER, Assistant Professor of Biology
 WILBUR F. NOYES, Assistant Professor of Biology
 MORRIS TELLER, Assistant Professor of Biology

Students are directed particularly toward the factors which initiate, control, and modify the growth of normal and neoplastic tissues. Following this orientation, study is offered in pharmacology, experimental cancer chemotherapy, microbiology, endocrinology, genetics, and virology. Brief specialized courses offered include Chemotherapy of Cancer (for physicians and research workers), two weeks in October; Heterologous Transplantation of Human Tumors (for senior investigators), first week of March and of October.

Undergraduate prerequisites include courses in organic chemistry, inorganic chemistry, qualitative chemistry, quantitative chemistry, physical chemistry, physics (mechanics, electricity and magnetism, and sound, heat, light), biochemistry, mathematics (through calculus), anatomy, general biology or general zoology or general botany, general microbiology, pathogenic bacteriology, physiology, cytology, genetics. If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

Prerequisite graduate courses will be determined for each individual on the basis of his particular area of interest.

BIOPHYSICS

JOHN S. LAUGHLIN, Professor of Biophysics
 NATHANIEL F. BARR, Assistant Professor of Biophysics
 EDWARD R. EPP, Assistant Professor of Biophysics
 THEODORE HALL, Assistant Professor of Biophysics
 IRA PULLMAN, Assistant Professor of Biophysics

Research Associates:

Karin R. Corey
Mary L. Meurk

Salvatore J. Vacirca
James G. Van Dyke

Graduate work is offered by this department leading to the degrees of Master of Science (in the field of radiation physics) and Doctor of Philosophy (in the field of biophysics).

The course of study leading to the degree of Master of Science in Radiation Physics trains physicists in the various aspects of production, measurement, and application of radiation. X-ray and electron machines are available with energies ranging from 5 Kev to 25 Mev. Experience is also provided on the uses of many different radio-isotopes. The magnitude and variety of facilities and the unique projects in radiation at the Sloan-Kettering Institute and the Memorial Hospital are particularly pertinent for training in this area. An important feature is the co-existence of fundamental research and practical and clinical applications in the same Center.

Some of the research projects in biophysics which are pertinent to the Ph.D. program include studies of metabolism of various isotope-labeled compounds in man; the measurement of radiation by calorimetric, radiation-chemical, ionization, or crystal detectors; the experimental measurement of total X-ray, gamma-ray, or electron spectra; the determination of free radical activity in compounds of biological importance by means of electron spin resonance; the determination of trace elements in biologically important compounds; metabolism of biologically important compounds in tissue cultures of human tumor cells.

Undergraduate prerequisites include courses in general physics, electricity and magnetism, mechanics, mathematics (through calculus), thermodynamics, and acceptable laboratory experience in these fields. If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

PATHOLOGY

FRANK W. FOOTE, JR., Professor of Pathology

LEOPOLD G. KOSS, Associate Professor of Pathology

LOUIS G. ORTEGA, Associate Professor of Pathology

STEPHEN S. STERNBERG, Associate Professor of Pathology

JOHN W. BERG, Assistant Professor of Pathology

Special facilities are available for investigation in quantitative cytology and cellular pathology by newer optical methods, cytophysical methods including radioautography, ultraviolet and fluorescent microscopy, and X-ray absorption techniques.

Study in this department is limited to persons holding a medical

degree, at least one year of clinical internship, and two years of general pathology.

PREVENTIVE MEDICINE

EMERSON DAY, Professor of Preventive Medicine

ERNEST L. WYNDER, Associate Professor of Preventive Medicine

GENEVIEVE M. BADER, Assistant Professor of Preventive Medicine

WALTER O'DONNELL, Assistant Professor of Preventive Medicine

LOUIS VENET, Assistant Professor of Preventive Medicine

SAI-HOU YING, Assistant Professor of Preventive Medicine

Opportunity for clinical experience in methods of cancer detection is offered in the Strang Clinic by arrangement with the department head. Training in cytologic screening and diagnosis is available by special arrangement with the director of the Strang Laboratory of Cytology.

The department offers opportunities for research in early cancer and precancer, cytology, epidemiology of cancer, and biological testing of environmental agents. Special studies in these fields can be arranged with the appropriate members of the department.

Prerequisites are a degree in medicine or advanced training and experience in the field concerned.

A three- to five-day course, for general practitioners, in the diagnosis and management of early cancer is offered one or more times each year. The dates of each course are announced in hospitals and in medical journals sufficiently in advance to allow for scheduling and pre-registration.

INTERNSHIP APPOINTMENTS

CLASS OF 1959

DOCTORS OF MEDICINE, JUNE 3, 1959

Henriette Elizabeth Abel	Lenox Hill Hospital (R), New York, N.Y.
Daniel Wilcox Adams	University of Virginia Hospital (Mx), Charlottesville, Va.
John Carter Alden	Lankenau Hospital (R), Philadelphia, Pa.
James Allen Amlicke	Henry Ford Hospital (R), Detroit, Mich.
Shirley Ruth Andersen	Bellevue Hospital, 3rd Div. (M), New York, N.Y.
Lockhart Davis Arbuckle, Jr.	University of Virginia Hospital (S), Charlottesville, Va.
Robert James Athans	Grasslands Hospital (Mx), Valhalla, N.Y.
Ralph August Baer, Jr.	Bellevue Hospital, 2nd Div. (M), New York, N.Y.
John Nelson Baldwin	The New York Hospital (M), New York, N.Y.
Gwendolyn Lee Barrington	Boston City Hospital (Tufts Div.) (M), Boston, Mass.
Jocelyn Proctor Baum	Sinai Hospital (P), Baltimore, Md.
Arthur Randall Beil, Jr.	The New York Hospital (S), New York, N.Y.
Peter Stephen Bing	Bellevue Hospital, 2nd Div. (M), New York, N.Y.
Peter Birk	St. Luke's Hospital (Mx), New York, N.Y.
John Hunter Black	Genesee Hospital (M), Rochester, N.Y.
Paul Lautant Bleakley, Jr.	Strong Memorial Hospital (M), Rochester, N.Y.
Donald Lee Bricker	The New York Hospital (S), New York, N.Y.
Peter Miller Burkholder	The New York Hospital (Path), New York, N.Y.
Gloria Billie Campbell	Bellevue Hospital, 3rd Div. (M), New York, N.Y.
Thomas Clarke Carrier	Mary Hitchcock Memorial Hospital (R), Hanover, N.H.
Raymond Feng-Chu Chen	University of Utah Hospitals (M), Salt Lake City, Utah
Robert Louis Collier	Bellevue Hospital, 2nd Div. (M), New York, N.Y.
Allan Richard Compton	St. Luke's Hospital (Mx), New York, N.Y.
Clement Stephen Connolly	The New York Hospital (M), New York, N.Y.
Michael Murray Conroy	Bellevue Hospital, 2nd Div. (S), New York, N.Y.
Richard Christopher Conroy	St. Vincent's Hospital (R), New York, N.Y.
Claude Cyril Cornwall, Jr.	St. Vincent's Hospital (R), New York, N.Y.
Mary Anne DeWitt	St. Luke's Hospital (Mx), New York, N.Y.
Richard Newman Dexter	University of Minn. Hospitals (M), Minneapolis, Minn.
David William Dorman, Jr.	Buffalo General Hospital (R), Buffalo, N.Y.
Robert Gordon Douglas, Jr.	The New York Hospital (M), New York, N.Y.
Bruce Highstone Drukker	Henry Ford Hospital (R), Detroit, Mich.
John Jay DuBois	St. Luke's Hospital (Mx), New York, N.Y.
Vincent du Vigneaud, Jr.	Strong Memorial Hospital (S), Rochester, N.Y.
Thomas Joseph Fahey, Jr.	U. S. Air Force (R)
Alfred James Felice	St. Vincent's Hospital (R), New York, N.Y.
Harvey Roy Greenberg	The New York Hospital (M), New York, N.Y.
Vincent Florence Guinee	St. Vincent's Hospital (M), New York, N.Y.
Jack Walter Carl Hagstrom	The New York Hospital (Path), New York, N.Y.
Norman Eliot Hugo	Bellevue Hospital, 2nd Div. (S), New York, N.Y.
Richard John Kossmann	The New York Hospital (M), New York, N.Y.
Edward Len Krawitt	University of Utah Hospitals (R), Salt Lake City, Utah
David Roger Lawrenz	Mary Imogene Bassett Hospital (M), Cooperstown, N.Y.

Gary Earl Leinbach	The New York Hospital (M), New York, N.Y.
Norman Seymour Lichtenstein	Grace-New Haven Hospital (M), New Haven, Conn.
Melvin George Lund	The New York Hospital (S), New York, N.Y.
John Ralph Macfarlane	The New York Hospital (M), New York, N.Y.
Alan Maré	Jackson Memorial Hospital (R), Miami, Fla.
John Samuel Mazella	George Washington University Hospital (R), Wash., D.C.
James Bruce McGovern	The New York Hospital (S), New York, N.Y.
Jerry William McRoberts	The New York Hospital (S), New York, N.Y.
Denis Ronald Miller	Children's Medical Center (Ped), Boston, Mass.
Ralph Louis Moress	Grasslands Hospital (Mx), Valhalla, N.Y.
John Francis Morris, Jr.	The New York Hospital (M), New York, N.Y.
Joseph George Mower, Jr.	University of Virginia Hospital (M), Charlottesville, Va.
Thomas Martin Nall	Barnes Hospital (S), St. Louis, Mo.
Jay Arthur Noble	The New York Hospital (M), New York, N.Y.
Seth Anderson Onwona	Bronx Municipal Hospital Center (S), New York, N.Y.
Eugene Rene Perrin	University of Minnesota Hospitals (M), Minneapolis, Minn.
Monroe Pray, Jr.	Hartford Hospital (R), Hartford, Connecticut
Harry George Preuss	Vanderbilt University Hospital (M), Nashville, Tenn.
Stephen Norman Price	Bellevue Hospital, 2nd Div. (M), New York, N.Y.
Herbert Irwin Rappaport	Vanderbilt University Hospital (M), Nashville, Tenn.
Paul Edward Romano	Albany Hospital (S), Albany, N.Y.
Walter Rubin	Beth Israel Hospital (M), Boston, Mass.
Ralph Nicholas Salatino	Roosevelt Hospital (Mx), New York, N.Y.
Milton Huyett Sangree, Jr.	Bellevue Hospital, 3rd Div. (Mx), New York, N.Y.
Robert Stanley Schaeffer	Bellevue Hospital, 3rd Div. (M), New York, N.Y.
Bernard Charles Schroeder	Medical Center Hospitals, Jersey City, N.J.
John Lawrence Seymour, Jr.	University of Minn. Hospital (S), Minneapolis, Minn.
James Edward Shepard	Mary Imogene Bassett Hospital (R), Cooperstown, N.Y.
Martin Siegelman	Rochester General Hospital (R), Rochester, N.Y.
Robert Grist Sumner	Duke Hospital (M), Durham, N.C.
William Patrick Tunell	Bellevue Hospital, 2nd Div. (S), New York, N.Y.
Wayne Richard Ullisnik	University of Minnesota Hospitals (M), Minneapolis, Minn.
Joseph Vincent Uricchio, Jr.	Albany Hospital (S), Albany, N.Y.
James Knox Van Buren	Grady Memorial Hospital (M), Atlanta, Georgia
James Richard Van Ostrand	George F. Geisinger Memorial Hospital (R), Danville, Pa.
Alden Eames Whitney	Presbyterian Hospital (M), New York, N.Y.
William Gerard Winters, Jr.	St. Vincent's Hospital (M), New York, N.Y.
Peter Wei Ting Yu	Children's Hospital (P), Buffalo, N.Y.
Irwin David Zim	St. Louis City Hospitals (M), St. Louis, Mo. (Washington University Service)

SYMBOLS

R—Rotating
P—Pediatrics

M—Medicine
Path—Pathology

S—Surgery
Mx—Mixed

REGISTER OF STUDENTS, 1959-1960

FOURTH YEAR

Alexander Constantine Angelides, A.B. 1956, Amherst College	Berlin, N.H.
Kenneth Robert Barasch, A.B. 1956, Williams College	Lawrence, N.Y.
Ira Barmak, A.B. 1956, Cornell University	Brooklyn, N.Y.
Elizabeth Louise Barrett, A.B. 1956, Mt. Holyoke College	Lee, Mass.
Rowland Holbrook Smith Bedell, A.B. 1956, Princeton University	Forest Hills, N.Y.
George Veeder Burkholder, A.B. 1956, Princeton University	Chicago, Illinois
Michael Emmett Carey, A.B. 1956, Yale University	W. Hartford, Conn.
Charles Robert Carrington, A.B. 1956, Dartmouth College	Champaign, Ill.
Stebbins Bryant Chandor, A.B. 1955, Princeton University	Belleair Beach, Fla.
Robert Charles Charman, A.B. 1957, Dartmouth College	Verona, N.J.
Richard Edwin Clark, B.S.E. 1956, Princeton University	Clayton, Mo.
Donn Joseph D'Alessio, B.S. 1956, Allegheny College	Monessen, Pa.
Ramon Richardo Garcia de Paredes, A.B. 1956, De Pauw University	Panama City, Panama
Donald Melick Ditmars, Jr., A.B. 1956, Princeton University	Pennington, N.J.
Wylie Jerome Dodds, B.S. 1956, Trinity College	Stamford, Conn.
Joseph Charles Dougherty, B.S. 1956, Manhattan College	Albany, N.Y.
John Francis Dwyer, A.B. 1956, Fordham University	New York, N.Y.
Charles Jan Dyke, A.B. 1956, Yale University	Urbana, Ill.
Martin Jerome Edelman, A.B. 1956, Cornell University	Queens, N.Y.
Frederick Seward Erdman, Jr., A.B. 1956, Cornell University	Ithaca, N.Y.
Robert Barry Erichson, A.B. 1956, Columbia University	Brooklyn, N.Y.
Frederick Albert Flatow, Jr., B.E. 1956, Yale University	Meriden, Conn.
Wellum Peder Frivold, A.B. 1956, Columbia University	Woodside, N.Y.
Martin Grady, B.S. 1956, City College of New York	New York, N.Y.
Lewis Glasser, A.B. 1956, Cornell University	Staten Island, N.Y.
Elliot Goldstein, A.B. 1956, Cornell University	Brooklyn, N.Y.
John Hovey Gould, B.S. 1956, Haverford College	New York, N.Y.
Lonnie Berg Hanauer, A.B. 1956, Cornell University	S. Orange, N.J.
Kenneth Richard Haslam, A.B. 1956, University of California	Sacramento, Calif.
Lee Richard Hayne, University of Nebraska	Newcastle, Wyo.
John Paul Hayslett, A.B. 1956, Holy Cross College	Byram, Conn.
Robert K. Heineman, Jr., A.B. 1956, Cornell University	St. Louis, Mo.
Don Louis Horn, B.S. 1956, University of Miami	Coral Gables, Fla.
Robert Hughes Horne, B.S. 1954, University of Utah	Salt Lake City, Utah
James Walker Innes, B.A. 1956, Williams College	Washington, D.C.
Charles Dean Kartchner, A.B. 1956, University of Arizona	St. David, Ariz.
Caroline Joan Keegan, A.B. 1956, Wellesley College	Garden City, N.Y.
Thomas Denes Kerenyi, Szeged School of Medicine, Hungary	New York, N.Y.
Young Shik Kim, A.B. 1956, Stanford University	Seoul, Korea
Stuart John Kingma, A.B. 1956, Calvin College	Grand Rapids, Mich
Neil Charles Klein, A.B. 1956, Columbia University	Riverdale, N.Y.
Richard Garms Kopff, Jr., A.B. 1956, Cornell University	Bronxville, N.Y.
Walter Mitchell Lewis, A.B. 1954, Cornell University	Riverside, Calif.
John Trowbridge Libby, A.B. 1956, Bowdoin College	S. Portland, Me.
David Walter Lockwood, B.S. 1956, Notre Dame University	New York, N.Y.

Richard James Lynch, B.S. 1956, Notre Dame University
 Donald Noyes MacKay, A.B. 1956, Dartmouth College
 Anthony Joseph Marano, Jr., A.B. 1956, Williams College
 Guy Carlton Marshall, B.S. 1956, Holy Cross College
 James Harrison Marshall, A.B. 1956, Cornell University
 Harry Joseph Mayer, A.B. 1956, Lehigh University
 Barry Edwin Meyers, A.B. 1956, Cornell University
 Marshall Sylvester Miller, B.S. Muhlenberg College
 Charles Richard Minick, University of Wyoming
 James Lee Moore, A.B. 1955, Cornell College
 William Dufford Moyle, Jr., B.A. 1956, Wesleyan University
 Joseph Michael Murphy, A.B. 1956, Fordham University
 David Dighton O'Hara, A.B. 1956, Stanford University
 Thomas Morden Older, A.B. 1956, University of Rochester
 Michael Joseph Olichney, A.B. 1955, Cornell University
 Gideon G. Panter, A.B. 1956, Cornell University
 John Laycock Penny, A.B. 1956, Hamilton College
 Henrik Petersen Porter, A.B. 1956, Bowdoin College
 Robert Henshaw Post, A.B. 1956, Princeton University
 Alvin Francis Poussaint, A.B. 1956, Columbia University
 Keith Joel Quinton, A.B. 1956, Cornell University
 James Philip Rhoads, A.B. 1956, Yale University
 Richard Jay Ritter, A.B. 1956, Cornell University
 David Bruce Robbins, B.S. 1956, Union College
 Melvin Seymour Rosh, A.B. 1956, Hamilton College
 Jean Wynne Roughgarden, B.S. 1956, Queens College
 William Eugene Sanders, Jr., A.B. 1956, Cornell University
 Peter Michael Shutkin, A.B. 1956, Brown University
 John Kelly Smith, Jr., A.B. 1957, Cornell University
 James Herbert Spencer, Jr., A.B. 1952, Amherst College
 M.A. 1953, Stanford University
 Christopher Stahler, Jr., B.S. 1956, Yale University
 Kenneth Girvan Swan, A.B. 1956, Harvard College
 Richard Rollin Temple, B.S. 1956, Swarthmore College
 Robert Jay Timberger, A.B. 1956, Cornell University
 Allen John Togut, A.B. 1956, Cornell University
 James Clifton Townsend, B.S. 1954, California Institute
 of Technology
 Donald Urrea, A.B. 1956, University of Arizona
 William Bishop Webber, A.B. 1954, Cornell University
 Mary Frances Wheeler, A.B. 1956, Cornell University
 Richard John Winkle, B.S. 1956, St. John's College
 Emil Wirostko, B.S. 1956, Fordham University

Rome, N.Y.
 Stonington, Me.
 White Plains, N.Y.
 Mt. Vernon, N.Y.
 Auburn, N.Y.
 East Orange, N.J.
 Shillington, Pa.
 Allentown, Pa.
 Sheridan, Wyo.
 Ft. Morgan, Colo.
 Scarsdale, N.Y.
 Pelham, N.Y.
 Vancouver, Wash.
 Cuba, N.Y.
 Spencer, N.Y.
 W. Orange, N.J.
 White Plains, N.Y.
 Arlington, Va.
 St. Louis, Mo.
 New York, N.Y.
 St. Albans, N.Y.
 Oklahoma City, Okla.
 Brooklyn, N.Y.
 Massapequa, N.Y.
 Floral Park, N.Y.
 Woodhaven, N.Y.
 Frederick, Md.
 Milwaukee, Wis.
 Westport, Conn.
 Newton, N.J.
 Albany, N.Y.
 Scarsdale, N.Y.
 Poughkeepsie, N.Y.
 East Rockaway, N.Y.
 Larchmont, N.Y.
 Oklahoma City, Okla.
 Mesa, Ariz.
 Bronxville, N.Y.
 New Haven, Conn.
 Elmhurst, N.Y.
 Garfield, N.J.

THIRD YEAR

Emilio Gutierrez Abello, Jr., B.S. 1957,
 Univ. of the Philippines
 H. Clay Alexander, B.A. 1956, Yale University
 Alan Norton Arnsion, A.B. 1956, Yale University
 Carl George Becker, B.S. 1957, Yale University
 John Armond Bennett, A.B. 1958, University of Utah
 Sergio Edward Betancourt, A.B. 1957, Cornell University
 John Bradley Bockoven, A.B. 1957, Harvard College
 Arthur Lawrence Boland, Jr., B.A. 1957, Cornell University

San Juan, Rizal, Philippines
 Katonah, N.Y.
 Shaker Heights, Ohio
 Trenton, N.J.
 Salt Lake City, Utah
 Panama City, Panama
 Dayton, Ohio
 Lynn, Mass.

- Theodore Vahan Boroian, A.B. 1957, Cornell University
 James Warren Brown, A.B. 1957, Harvard College
 Kevin Michael Cahill, A.B. 1957, Fordham College
 Richard Dennis Chapman, B.A. 1957, Carleton College
 Joel Louis Colker, B.S. 1957, Yale University
 Robert Hammond Dailey, A.B. 1957, Amherst College
 Thomas Hammond Dailey, A.B. 1957, Princeton University
 Gregory Gordon Dimijian, B.S. 1956, Davidson College
 Richard Lawrence Doyle, A.B. 1957, Fordham College
 William Kent Drake, A.B. 1957, Carleton College
 James Cyril Drennan, A.B. 1957, Cornell University
 Marilyn Renée du Vigneaud, B.A. 1957, Cornell University
 Marylyn Elizabeth Enck, A.B. 1957, Cornell University
 Constance Ann Engelke, A.B. 1957, Cornell University
 Stephen Edward Epstein, A.B. 1957, Columbia University
 Cornelia Anne Farrell, B.S. 1957, Purdue University
 Robert Edward Fear, A.B. 1957, Princeton University
 David Leonard Fink, A.B. 1957, Columbia University
 Donald Alan Fischman, A.B. 1957, Kenyon College
 Charles Laurence Flynn, A.B. 1957, Fordham College
 Donald Tell Fredrickson, B.A. 1956, Syracuse University
 J. Gordon Frierson, A.B. 1957, Yale University
 James Harvey Gault, A.B. 1957, Amherst College
 Arnold Fismer Glendinning, A.B. 1954, Harvard College
 Howard Goldin, A.B. 1957, Amherst College
 James Edward Hanchett, B.S. 1957, Wheaton College
 Jeanne M. Hanchett, B.S. 1956, Wheaton College
 William Cushman Harvey, B.A. 1957, University of Maine
 Richard James Hastings, A.B. 1955, Dartmouth College
 Brack Gillium Hattler, Jr., A.B. 1957, Duke University
 C. Anderson Hedberg, A.B. 1957, Harvard College
 Michael Morris Heeg, B.A. 1957, Haverford College
 John Harold Hughes, A.B. 1957, Yale University
 James Rohrer Hurley, B.A. 1957, Cornell University
 O. Adrian Johnson, B.S. 1958, University of Utah
 Charles Bronston Jones, Jr., A.B. 1957, Cornell University
 Robert Bach Keller, A.B. 1958, Dartmouth College
 Robert Morton Kerr, B.S. 1952, Bucknell University
 John Lawrence Krause, Jr., B.S. 1957, Queens College
 John Jay Kuiper, B.S. 1957, Trinity College
 Garwood Emerson Leckband, B.A. 1957, Carleton College
 Paul Thomas Lenio, B.S. 1955, U.S. Military Academy
 Robert Frederic Lindberg, A.B. 1957, Colgate University
 Barry Thomas Malin, B.A. 1957, Cornell University
 Christopher Irving Malloch, A.B. 1957, Stanford University
 Arthur Adolph Manthey, A.B. 1957, Dartmouth College
 Robert Stockton Martin, B.A. 1952, Middlebury College
 Brady Piersol McKaig, B.S. 1957, Notre Dame University
 Martin Francis McKneally, A.B. 1957, Holy Cross College
 Donald Casselers McLean, A.B. 1957, Williams College
 Mary Rose Middleton, A.B. 1958, University of Utah
 Thomas Herrick Milhorat, B.S. 1957, Cornell University
 Richard Hobson Morgan, B.S. 1957, Lafayette College
 Franco Mario Muggia, B.S. 1957, Yale University
 Peter Stayer New, A.B. 1957, Amherst College
 Troy, N.Y.
 New York, N.Y.
 Bronx, N.Y.
 Omaha, Nebr.
 Pittsburgh, Pa.
 Maplewood, N.J.
 Maplewood, N.J.
 Birmingham, Ala.
 Bronx, N.Y.
 Kirkwood, Mo.
 Pittsfield, Mass.
 Scarsdale, N.Y.
 Harrisburg, Pa.
 Stamford, N.Y.
 Brooklyn, N.Y.
 Evanston, Ill.
 Hackensack, N.J.
 Brooklyn, N.Y.
 Laurelton, N.Y.
 Bronx, N.Y.
 Syracuse, N.Y.
 New York, N.Y.
 Dallas, Texas
 Bayside, N.Y.
 Yonkers, N.Y.
 Elgin, Ill.
 Orlando, Fla.
 Caribou, Maine
 Cortland, N.Y.
 Panama City, Panama
 Chicago, Ill.
 Forest Hills, N.Y.
 Larchmont, N.Y.
 Mamaroneck, N.Y.
 Salt Lake City, Utah
 Washington, D.C.
 Middlebury, Vt.
 Upper Montclair, N.J.
 Queens Village, N.Y.
 Arlington Heights, Ill.
 Arlington Heights, Ill.
 Rome, N.Y.
 Summit, N.J.
 Kenmore, N.Y.
 Riverside, Calif.
 Islip, N.Y.
 Crown Point, N.Y.
 Westfield, N.J.
 Newburgh, N.Y.
 Wilmington, Del.
 Salt Lake City, Utah
 Pelham Manor, N.Y.
 Claymont, Del.
 Quito, Ecuador
 Santa Fe, N.M.

William Lawrence Newmeyer, III, A.B. 1957, Haverford College	Denver, Colo.
Daniel John O'Connell, A.B. 1953, Fordham College	Maywood, N.J.
Ole Anthony Peloso, B.S. 1957, Holy Cross College	Albuquerque, N.M.
E. Albert Petersen, B.S. 1954, St. Lawrence University	Manhasset, N.Y.
Asa Standley Porter, B.S. 1951, M.E. 1952, University of Oklahoma	Oklahoma City, Okla.
Charles Arthur Rodman, II, B.S. 1958, Yale University	Salt Lake City, Utah
Erik Arthur Rosenthal, B.A. 1957, Cornell University	Poughkeepsie, N.Y.
James Walter Ryan, A.B. 1957, Dartmouth College	Amarillo, Texas
Francis James Rybka, A.B. 1957, Brown University	Jamaica, N.Y.
Joseph Terence Sams, A.B. 1957, Harvard College	Middletown, Ohio
Jack Charles Schiebler, B.A. 1957, Cornell University	Niagara Falls, N.Y.
Richard Gregg Sheehan, A.B. 1957, Williams College	Denver, Colo.
Roger David Soloway, B.A. 1957, Cornell University	Valley Stream, N.Y.
James Earl Standefer, A.B. 1957, Harvard College	Des Moines, Iowa
Alson Proctor Taylor, Jr., B.A. 1957, Dartmouth College	Manchester, N.H.
Richard Samuel Weiss, A.B. 1957, Cornell University	Rockville Centre, N.Y.
William Richard Winn, A.B. 1957, Stanford University	Springville, Calif.
Martin Samuel Wolfe, B.A. 1957, Cornell University	Scranton, Pa.
Eric Kurt Zitsmann, B.A. 1957, Cornell University	Ridgwood, N.Y.
Philip Herbert Zweifach, B.S. 1957, City College of New York	Bronx, N.Y.

SECOND YEAR

A. Mason Ahearn, A.B. 1958, University of Rochester	Westfield, N.J.
John Vanderbeek Banta, A.B. 1958, Wesleyan University	Ridgwood, N.J.
Bryant Barnard, A.B. 1958, Dartmouth College	Montclair, N.J.
Harry Michael Beirne, B.E.E. 1958, Manhattan College	Montclair, N.J.
Blaine Alan Braniff, A.B. 1958, Swarthmore College	Wilmington, Del.
Robert Walter Brennan, A.B. 1958, Cornell University	Staten Is., N.Y.
Frank Howard Brunstetter, B.S. 1953, Cornell University; B.S. 1958, Columbia University	New York, N.Y.
Alfred Sands Buck, A.B. 1958, Haverford College	Brooklyn, N.Y.
Edward Seabury Carmick, Jr., A.B. 1958, Stanford University	Los Altos, Calif.
Kenneth Joseph Cestone, A.B. 1959, Cornell University	Little Falls, N.J.
William Galbraith Chaffee, Jr., A.B. 1955, Princeton University	Oakland, Calif.
John Kipp Charlton, A.B. 1958, Amherst College	Hastings, Nebr.
Henry J. Copeland, Jr., A.B. 1958, Baylor University	Griffin, Georgia
Beulah Melvin Cremer, A.B. 1958, University of Arizona	Ft. Defiance, Ariz.
Joseph David Croft, Jr., A.B. 1958, Princeton University	Evanston, Ill.
Richard Arthur Davidson, B.S. 1958, Queens College	Forest Hills, N.Y.
Edwin Elmer Dean, A.B. 1956, Cornell University	Byram, Conn.
Walter Casimir Degnan, B.S. 1958, Notre Dame University	Scarsdale, N.Y.
Carl Herbert Dieterle, B.S. 1955, Cornell University	Milwaukee, Wis.
Arthur Victor Edelstein, A.B. 1958, Cornell University	Rochester, N.Y.
Edwin Ettinger, A.B. 1955, Columbia College	Yonkers, N.Y.
Willard Blayney Fessenden, Jr., A.B. 1958, Yale University	Cincinnati, O.
Sidney James Fillmore, B.S. 1959, Utah State University	Logan, Utah
Edward James Fredericks, B.S. 1958, Allegheny College	Oak Ridge, N.J.
Michael David Gershon, A.B. 1958, Cornell University	Craryville, N.Y.
Howard Marshall Gilford, A.B. 1958, University of Michigan	Shaker Heights, O.
William Francis Gioiella, A.B. 1958, New York University	Brooklyn, N.Y.
John Howard Gundy, A.B. 1958, Dartmouth College	Rye, N.Y.
Robert Kenneth Gustafson, A.B. 1953, Claremont Men's College	Pasadena, Calif.
Jack Douglas Halpin, A.B. 1958, Carleton College	South Bend, Ind.

- Daphne Kean Hare, A.B. 1958, Barnard College
 William Russell Hazzard, A.B. 1958, Cornell University
 David Lynn Heiges, A.B. 1958, Stanford University
 Allan Spencer Hild, A.B. 1958, Amherst College
 Julian Theodore Hoff, A.B. 1958, Stanford University
 C. William Jansing, A.B. 1958, Princeton University
 Muriel King, A.B. 1958, Cornell University
 Stuart Alan Knott, A.B. 1958, Princeton University
 Edward Carl Lauber, Jr., B.S. 1958, Wheaton College
 Andrew Harrison Littell, Jr., A.B. 1957, New York University
 Luther Burton Lowe, Jr., B.S. 1958, Roanoke College
 Robert Appleby MacLean, B.S. 1956, Yale University
 Gerald Lee Mandell, A.B. 1958, Cornell University
 David Bacon Marcotte, B.S. 1958, St. Lawrence University
 George Herbert McCracken, Jr., A.B. 1958, Williams College
 Robert Bruce McFadden, A.B. 1958, Brown University
 Warren Bailey Miller, A.B. 1957, Princeton University
 Richard Martin Morrison, A.B. 1958, Yale University
 Richard Allen Niles, A.B. 1958, Cornell University
 Laurance Beckwith Nilsen, A.B. 1958, Williams College
 Dennis Devereaux O'Keefe, A.B. 1958, Wittenberg College
 George A. Omura, A.B. 1958, Columbia College
 S. Kirby Orme, A.B. 1959, University of Utah
 Alan Bram Poritz, A.B. 1958, Harvard College
 Joseph Vincent Raziano, A.B. 1958, Cornell University
 Alexander Garden Reeves, Williams College
 Rachelle Naomi Remen, B.S., B.A. 1958, Cornell University
 John Wincell Riley, III, A.B. 1958, Bowdoin College
 Christos Romas, B.S. 1958, Yale University
 Anthony Fred Saidy, B.S. 1958, Fordham College
 Richard Marshall Sallick, A.B. 1958, Harvard University
 William Schaffner, II, B.S. 1957, Yale University
 William Tripler Seed, A.B. 1954, Williams College
 Richard Craig Severance, A.B. 1958, Cornell University
 Thomas Harry Snider, B.S. 1951, Miami University
 Paul David Stolley, B.A. 1957, Lafayette College
 Ronald Alan Stroth, A.B. 1958, Colgate University
 William Tennant Stubenbord, A.B. 1958, Yale University
 Zebulon Charles Taintor, A.B. 1958, Oberlin College
 Dale Leonard Taylor, A.B. 1959, Albion College
 Barry Richard Tharp, Cornell University
 Nicholas Lechmere Tilney, A.B. 1958, Harvard College
 Joel Umlas, B.S. 1958, New York University
 Barth Vander Els, A.B. 1958, University of Rochester
 Donald Anthony Vichick, A.B. 1958, Cornell University
 John Charles Warburton, B.S. 1958, Georgetown University
 John Morgan Weatherly, A.B. 1957, Hamilton College
 Barbara Ruth Weisinger, A.B. 1958, Cornell University
 Carl Brook Weiss, B.S. 1958, Pennsylvania State University
 Robert Joseph Winchester, B.S. 1958, Manhattan College
 Paula Rochelle Wolfe, A.B. 1958, Brooklyn College
 Ceciley Youmans, A.B. 1948, Sweet Briar College
 Frederic Darwin Zahn, B.S. 1958, Denison University
 Michael Grant Zeigler, B.S. 1956, U.S. Military Academy
 Richard Charles Zug, A.B. 1958, Stanford University
- Houston, Texas
 LeMoyné, Pa.
 San Francisco, Calif.
 Baldwin, N.Y.
 Menlo Park, Calif.
 Louisville, Ky.
 Tuckahoe, N.Y.
 Tuckahoe, N.Y.
 Rockville Center, N.Y.
 New York, N.Y.
 Roanoke, Va.
 New Haven, Conn.
 New York, N.Y.
 Bloomfield, N.J.
 Scarsdale, N.Y.
 Mt. Vernon, N.Y.
 New York, N.Y.
 Cleveland, O.
 Bainbridge, N.Y.
 Delray Beach, Fla.
 Westerville, O.
 New York, N.Y.
 Squirrel, Utah
 Brooklyn, N.Y.
 Brooklyn, N.Y.
 Tuxedo Park, N.Y.
 Whitestone, N.Y.
 New York, N.Y.
 Endicott, N.Y.
 Douglaston, N.Y.
 New York, N.Y.
 Oradell, N.J.
 New York, N.Y.
 San Antonio, Texas
 Akron, Ohio
 Pawling, N.Y.
 Jamestown, N.Y.
 New York, N.Y.
 Port Jefferson St., N.Y.
 Jackson, Mich.
 Auburn, N.Y.
 Far Hills, N.J.
 Bronx, N.Y.
 Waldwick, N.J.
 Euclid, Ohio
 Paterson, N.J.
 East Syracuse, N.Y.
 Brooklyn, N.Y.
 Brodheadsville, Pa.
 Yonkers, N.Y.
 Brooklyn, N.Y.
 Bozman, Md.
 Solon, Ohio
 Fairborn, Ohio
 Merced, Calif.

FIRST YEAR

- Ira Harold Ames, A.B. 1959, Brooklyn College
 Gerald Alfred Anderson, B.S. 1959, University of Wyoming
 Arthur John Atkinson, Jr., A.B. 1959, Harvard College
 Lawrence Hugh Babbitt, A.B. 1959, San Diego State College
 Terrence Joseph Barry, A.B. 1952, Harvard College
 James Bruce Bell, A.B. 1959, Allegheny College
 Dennis Philip Berk, A.B. 1959, Yale University
 Paul Abraham Bienstock, A.B. 1959, Harvard College
 Agnes Irene Blazso, Szeged Medical School
 Herbert Spencer Bloch, A.B. 1959, Amherst College
 George Richard Blumenschein, A.B. 1959, Yale University
 Francis Matthew Bohen, B.S. 1959, Manhattan College
 Catherine Mary Brennan, A.B. 1959, College of New Rochelle
 William Francis Brereton, Jr., A.B. 1959, Yale University
 Hollister Peter Brewster, B.S. 1959, Long Island University
 Woodward Burgert, Jr., A.B. 1959, Williams College
 Charles Worden Carpenter, A.B. 1959, Cornell University
 James Joseph Coatsworth, A.B. 1959, Cornell University
 John Joseph Connaughton, B.S. 1955, University of Notre Dame
 Edward Meadors Copeland, III, A.B. 1959, Duke University
 William Joseph Deely, A.B. 1959, Columbia College
 Joseph Michael Deignan, Jr., B.S. 1957, Rutgers University
 Carlos Guillermo Garcia de Paredes, A.B. 1959,
 DePauw University
 Richard Barry Dicus, A.B. 1959, University of Arizona
 Franklin George Dill, B.E.E. 1956, Cornell University
 Steven Daniel Douglas, A.B. 1959, Cornell University
 Richard Hemenway Dyer, Jr., A.B. 1959, Cornell University
 Richard Michael Ehrlich, A.B. 1959, Cornell University
 Joseph Peter Fegen, Jr., B.S. 1959, John Carroll University
 Thomas Patrick Forde, A.B. 1959, Fordham University
 Floyd David Fortuin, A.B. 1959, Amherst College
 Jonathan Victor Goldstein, A.B. 1959, Cornell University
 Roscoe Bruce Guy, A.B. 1958, New York University
 Lewis Charles Hahn, B.S. 1959, University of Michigan
 Robert Anthony Hatcher, A.B. 1959, Williams College
 Everett George Heinze, Jr., A.B. 1959, Cornell University
 King Kennard Holmes, A.B. 1959, Harvard College
 Jonathan Hughes Horne, University of Utah
 Charles Edward Hull, B.S. 1959, Ohio State University
 Marriott Conard Johnson, Jr., A.B. 1959, Williams College
 Louis Robert Jordan, A.B. 1959, Cornell University
 Monroe Stuart Karetzky, A.B. 1959, Cornell University
 Alfred Nathaniel Krauss, A.B. 1959, Cornell University
 Howard Eric Kulin, A.B. 1959, Harvard College
 Walter Joseph Lochr, B.S. 1959, Manhattan College
 Arthur Mazyck, A.B. 1959, University of Virginia
 John William McIvor, A.B. 1959, Cornell University
 Philip Bartlett Mead, A.B. 1959, Hamilton College
 Craig Arnold Mehldau, B.S. 1955, Trinity College
 Elinor Miller, A.B. 1959, Cornell University
 John Philip Morey, A.B. 1959, Rutgers University
 Timothy Bovie Moritz, A.B. 1959, Ohio State University
 Brooklyn, N.Y.
 Savery, Wyoming
 Chicago, Ill.
 San Diego, Calif.
 Jackson Heights, N.Y.
 Ellwood City, Penna.
 Whitefish Bay, Wis.
 New York, N.Y.
 New Rochelle, N.Y.
 Canton, N.Y.
 Elmhurst, Ill.
 New York, N.Y.
 Worcester, Mass.
 Harrison, N.Y.
 Brooklyn, N.Y.
 Highland Park, Ill.
 Binghamton, N.Y.
 Darien, Conn.
 Wapakoneta, Ohio
 McDonough, Ga.
 New York, N.Y.
 West Orange, N.J.
 Canal Zone, Panama
 Ajo, Ariz.
 Arlington, Va.
 Jamaica, N.Y.
 Chatham, N.J.
 New Rochelle, N.Y.
 Rocky River, Ohio
 New York, N.Y.
 Ridgewood, N.J.
 Rochester, N.Y.
 New York, N.Y.
 Queens Village, N.Y.
 Douglaston, L.I., N.Y.
 West Hempstead, N.Y.
 Huntington, N.Y.
 Salt Lake City, Utah
 Fremont, Ohio
 Woodmere, N.Y.
 Southport, Conn.
 Brooklyn, N.Y.
 Miami Beach, Fla.
 Worcester, Mass.
 Brooklyn, N.Y.
 Dothan, Ala.
 Detroit, Mich.
 Delmar, N.Y.
 Brooklyn, N.Y.
 Valley Stream, N.Y.
 Asbury Park, N.J.
 Columbus, Ohio

John Bennett Morrison, St. Lawrence University	Harrison, N.Y.
Theodore Christian Nagel, A.B. 1959, Wesleyan University	Leonia, N.J.
Brian Robson Nagy, A.B. 1959, DePauw University	Warwick, R.I.
Ralph Anthony O'Connell, A.B. 1959, College of the Holy Cross	Larchmont, N.Y.
Richard Dennis O'Toole, A.B. 1956, Williams College	New York, N.Y.
Stephen Csaba Padar, A.B. 1959, Cornell University	Brooktondale, N.Y.
Frank John Paolitto, A.B. 1957, College of the Holy Cross	New York, N.Y.
Alfred Francis Parisi, A.B. 1959, Georgetown University	Mt. Vernon, N.Y.
Lawrence Grey Perry, A.B. 1959, Cornell University	Ithaca, N.Y.
Kirk Lowery Peterson, Stanford University	Los Angeles, Calif.
Paul Aaron Redstone, A.B. 1959, Yale University	Woodmere, N.Y.
Richard Mark Robbins, Yale University	Trenton, N.J.
Nola Rosanoff, A.B. 1959, Cornell University	Staten Island, N.Y.
Barton Douglas Schmitt, B.E. 1959, Yale University	Steger, Ill.
Donald Andrew Schmutz, A.B. 1959, Providence College	Stewart Manor, L.I., N.Y.
Steve Scholtz, A.B. 1959, Stanford University	Pasadena, Calif.
Joel Edward Sherlock, B.S. 1959, St. Peter's College	Jersey City, N.J.
Louis Miles Spencer, A.B. 1959, University of California, L.A.	Corona Del Mar, Calif.
Benjamin Barckley Storey, A.B. 1959, University of Kentucky	Lexington, Ky.
Richard George Sucsy, A.B. 1959, Amherst College	Valley Stream, N.Y.
Martin Bennett Taliak, Jr., B.S. 1959, Denison University	Berea, Ohio
Garrett Rezeau Tucker, III, AB. 1959, Amherst College	Houston, Texas
Edwin Arnold Turner, Jr., B.S. 1959, Wheaton College	Allenhurst, N.J.
William Smith Tyler, A.B. 1959, Cornell University	Groton, N.Y.
Thomas Rae Vaughan, Jr., B.S. 1959, Yale University	Bronxville, N.Y.
Donald Elkes Wallens, A.B. 1959, Cornell University	Buffalo, N.Y.
Robert Louis Wegryn, A.B. 1959, Cornell University	Elizabeth, N.J.
Kuhrt Wieneke, Jr., A.B. 1959, Williams College	Dorset, Vt.
Joel Edward Winker, A.B. 1959, Westminster College	Mascoutah, Ill.
Steven Ira Woodrow, A.B. 1959, Columbia College	Yonkers, N.Y.
Stuart Eugene Wunsh, A.B. 1959, Alfred University	New York, N.Y.

SUMMARY

Fourth year	86
Third year	83
Second year	85
First year	84
Total	338

REGISTER OF THE MEDICAL COLLEGE AND SLOAN-KETTERING STAFFS

Abel, Robert A.	Medicine	68
Abrahams, Irving	Microbiology & Immunology	73
Adair, John J.	Pub. Health & Prev. Med.	86
Adams, Harold B.	Pediatrics	80
Advocate, Seymour	Medicine	67
Alden, Peter D.	Medicine	68
Alexander, Manfred	Surgery	92
Almy, Thomas P.	Medicine	65
Altman, Ronald	Pediatrics	81
Anderson, Arthur A.	Psychiatry	84
Anderson, Arthur F.	Pediatrics	79
Anderson, William	Pub. Health & Prev. Med.	87
Anderson, W. Robert	Pathology	78
Angus, George A. W.	Psychiatry	84
Antoville, Anthony A.	Medicine	67
Applebaum, Jacob	Surgery	92
Archibald, Kenneth C.	Medicine	66
Arditi, Lucian I.	Medicine	67
Arky, Albert M.	Pediatrics	80
Armistead, George C.	Medicine	67
Armstrong, Donald	Medicine	68
Arnold, William D.	Surgery	92
Arnow, Lewis	Pediatrics	81
Artusio, Joseph F., Jr.	Surgery; Obstetrics & Gynecology	74; 91
Asch, Thane	Radiology	89
Ashe, Barbara S.	Pediatrics	80
Ashenhurst, Edward M.	Medicine	67
Ashman, Stuart	Psychiatry	84
Atkinson, Sam C.	Medicine	67
Austin, William H.	Medicine	68
Austlid, Olav	Medicine	67
Avnet, Samuel	Surgery	92
Awad, Mrs. (Marilyn S. Wells)	Medicine	68
Axelrod, D. Robert	Physiology	83
Ayres, Stephen M.	Medicine	68
Ayres, William H.	Surgery	92
Bader, Genevieve	Sloan-Kettering (Prev. Med.)	107

Bailey, Charles A.	Medicine	67
Bajek, Arnold J.	Radiology	89
Baldwin, Horace S.	Medicine	65
Balensweig, Howard	Surgery	92
Balensweig, Irvin	Surgery (Orthopedics)	91
Baliff, Robert	Medicine	68
Balis, M. Earl	Sloan-Kettering (Biochemistry)	104
Ball, Thomas L.	Obstetrics & Gynecology	74
Baras, Irving	Surgery	92
Barber, Hugh R. K.	Obstetrics & Gynecology	75
Barbu, Valer	Psychiatry	84
Barclay, Ralph K.	Sloan-Kettering (Biology)	105
Barnes, Lloyd T.	Medicine	67
Barnes, William A.	Surgery	91
Barondess, Jeremiah A.	Medicine	66
Barr, David P.	Medicine (Emeritus)	12
Barr, Nathaniel F.	Sloan-Kettering (Biophysics)	105
Barr, Rosalie M.	Psychiatry	85
Basile, Naef K.	Obstetrics & Gynecology	75
Bass, Richard R.	Pediatrics	80
Bates, Barbara	Medicine	67
Batson, Jack M.	Medicine	68
Bauer, Charles H.	Pediatrics	80
Baumgartner, Leona	Pub. Health & Prev. Med.; Pediatrics 79; 86	
Baxter, James E.	Psychiatry	84
Bayless, Theodore M.	Medicine	68
Baylor, Curtis H.	Medicine	66
Beal, John M.	Surgery	91
Beaver, William C.	Pharmacology	82
Becker, David V.	Medicine; Radiology	66
Becker, E. Lovell	Medicine	66
Behrman, Stanley J.	Surgery	91
Beirne, John J.	Surgery	93
Belcher, Anne M.	Surgery	91
Bellville, John W.	Surgery	93
Bendich, Aaron	Sloan-Kettering (Biochemistry)	104
Beneventi, Francis A.	Surgery	91
Benjamin, Bry	Medicine	67
Bennett, Boyce P.	Pathology	78
Benson, Gordon D.	Medicine	68
Benua, Richard S.	Medicine	66
Berenberg, Samuel R.	Pub. Health & Prev. Med.; Pediatrics 80; 86	
Berg, John W.	Sloan-Kettering (Pathology)	106
Berkeley, Ruth P.	Medicine	67
Berle, Beatrice B.	Medicine; Pub. Health & Prev. Med. 67; 86	
Berler, David K.	Surgery	93
Berntsen, Carl A., Jr.	Medicine	67
Biel, Leonard, Jr.	Surgery	92
Bierman, Edwin L.	Medicine	68
Billo, Otto E.	Pediatrics	80

Bippart, Charles H.	Obstetrics & Gynecology	75
Birch, Ann McA.	Pediatrics	80
Birnbaum, Stanley J.	Obstetrics & Gynecology	75
Blinderman, Elliott E.	Surgery	93
Bodansky, Oscar	Sloan-Kettering (Biochemistry)	104
Bodanszky, Miklos	Biochemistry	64
Bodel, Phyllis T.	Medicine	68
Böhme, Diethelm	Pathology	78
Bonsnes, Roy W.	Biochemistry; Obs.-Gyn.	63; 74
Booher, Robert J.	Surgery	93
Bortin, Aaron W.	Medicine	67
Bowden, Lemuel	Surgery	94
Boyan, Paul	Surgery	93
Boynton, Perry S., Jr.	Obstetrics & Gynecology	75
Brachfeld, Norman	Medicine	68
Bradley, Kent P.	Medicine	68
Bradlow, H. Leon	Sloan-Kettering (Biochemistry)	104
Brasfield, Richard J.	Surgery	94
Braunstein, Paul W.	Surgery	91
Braveman, Warren S.	Medicine	67
Brayton, Robert G.	Medicine	68
Breed, Charles N., Jr.	Surgery	94
Breimer, Charles W.	Radiology	89
Breslow, Esther	Biochemistry	64
Brethwaite, Samuel H., Jr.	Medicine	67
Brice, Mitchell	Surgery	92
Brilliant, Renee	Pediatrics	81
Brockunier, Alfred, Jr.	Obstetrics & Gynecology	75
Brodman, Keeve	Medicine	66
Bronstein, Eugene L.	Radiology	89
Brooks, Dana C.	Anatomy	62
Broome, John D.	Pathology	78
Bross, Irwin D. J.	Pub. Health & Prev. Med.	86
Browder, Ann A.	Medicine	68
Brown, George B.	Sloan-Kettering (Biochemistry)	104
Brown, Harrison O.	Medicine	68
Brown, John L.	Physiology	83
Brown, Veronica C.	Medicine	67
Browne, Harry G.	Pathology	78
Brunschwig, Alexander	Surgery	93
Brush, A. Louise	Psychiatry	84
Buchman, Myron I.	Obstetrics & Gynecology	74
Burbank, Bernard H.	Medicine	67
Burchenal, Joseph H.	Medicine	65
Burkhardt, Edward A.	Medicine	67
Burnett, Harry W.	Radiology	89
Burstein, Charles	Surgery	91
Butler, Katharine	Medicine	66
Cade, J. Robert	Physiology	83
Cahan, William G.	Surgery	93

Cahow, C. Elton, Jr.	Surgery	93
Callahan, Justin T.	Obstetrics & Gynecology	74
Camarda, Anthony	Surgery	92
Cameron, Donald J.	Medicine	68
Camp, Walter A.	Medicine	68
Campbell, Rolla D., Jr.	Surgery	91
Campbell, Wallace G.	Pathology	78
Carey, Edward J., Jr.	Surgery	93
Carey, Thomas I.	Surgery	92
Carlson, Arthur S.	Pathology	78
Carlson, Eric T.	Psychiatry	84
Carpenter, Charles B.	Medicine	68
Carpenter, Walter T., Jr.	Pediatrics	80
Carr, Henry A.	Medicine	66
Carver, Susan T.	Medicine	69
Cash, William D.	Biochemistry	63
Cassell, Eric	Pub. Health & Prev. Med.	87
Catlin, Daniel	Surgery	94
Cattell, McKeen	Pharmacology (Emeritus)	12
Cavalieri, Liebe F.	Sloan-Kettering (Biochemistry)	104
Cecil, Russell L.	Medicine (Emeritus)	12
Cerruli, Remo	Psychiatry	84
Chapman, Loring F.	Medicine	66
Charash, Leon I.	Pediatrics	80
Chaves, Aaron D.	Pub. Health & Prev. Med.; Medicine	66; 86
Chiat, Harold	Radiology	89
Christenson, William N.	Medicine	66
Chu, Florence Chien-Hwa	Radiology	89
Chu, Foo	Medicine	67
Chynn, Kuo York	Radiology	89
Cipollaro, Anthony C.	Medicine (Dermatology)	65
Claremont, Hugh E.	Medicine	67
Clark, Donald G. C.	Surgery	94
Clarke, Donald A.	Sloan-Kettering (Biology)	105
Clarke, Robert L.	Surgery	92
Clarkson, Bayard D.	Medicine	67
Cleeland, Roy, Jr.	Microbiology & Immunology	73
Clifton, Eugene E.	Surgery	91
Coats, Edward C.	Surgery	92
Cobb, John R.	Surgery (Orthopedics)	91
Cobb, Katharine	Pediatrics	80
Cohen, Burton D.	Medicine	67
Cohen, Eugene J.	Medicine	66
Cohn, Major L.	Medicine	69
Cole, John T.	Obstetrics & Gynecology	74
Collins, Harvey S.	Medicine	66
Conn, Julius, Jr.	Surgery	93
Connelly, David M.	Surgery	93
Console, Arthur D.	Psychiatry	85
Constantine, Elizabeth F.	Surgery	92

Conway, Herbert	Surgery	91
Cook, Thomas W.	Obstetrics & Gynecology	75
Cooper, Howard N.	Psychiatry	84
Cooper, William	Surgery (Orthopedics)	91
Cooper, William A.	Surgery	91
Corey, Karin R.	Sloan-Kettering	106
Cormia, Frank E.	Medicine (Dermatology)	65
Cornell, Carlton M.	Surgery	92
Cornell, George N.	Surgery	91
Cornell, Nelson W.	Surgery	91
Cortese, Armand F.	Surgery	93
Cox, Denton S.	Medicine	67
Craig, Robert L.	Obstetrics & Gynecology	74
Cramer, Jean Abel	Medicine	67
Craver, Lloyd F.	Medicine (Emeritus)	12
Craver, William L.	Surgery	92
Crawford, David B., Jr.	Obstetrics & Gynecology	75
Crissey, Eleanor	Psychiatry	84
Cudmore, Ruth	Pediatrics	80
Dain, Norman	Psychiatry	85
Dallessio, Donald J.	Medicine	69
Dalldorf, Frederick G.	Pathology	78
Dalton, A. J.	Sloan-Kettering (Biology)	105
Daniel, William W.	Surgery	94
Daniells, Helen E.	Psychiatry	84
Dann, Margaret	Pediatrics	79
Dargeon, Harold W. K.	Pediatrics	79
Davidson, Murray	Pediatrics	80
Davies, Edward A.	Pediatrics	81
Davis, Jeff	Medicine	67
Davis, Joseph E.	Surgery	92
Davis, Marion	Medicine	67
Davis, E. William	Obstetrics & Gynecology	75
Day, Emerson	Sloan-Kettering (Prev. Med.)	107
de Alvarado, Lois	Psychiatry	84
Deans, Robert D.	Surgery	92
Deck, Frederick W.	Radiology	89
Deddish, Michael R.	Surgery	93
de Gara, Paul F.	Pediatrics	79
Deitrick, John E.	Medicine	10; 65
Deitzler, Margaret M.	Surgery	93
Denker, Peter G.	Medicine (Neurology)	66
Dennen, Edward H.	Obstetrics & Gynecology	74
Denning, George S., Jr.	Biochemistry	64
Denues, A. R. T.	Sloan-Kettering (Biology)	105
Despert, J. Louise	Psychiatry	84
Des Prez, Roger M.	Medicine	67
Deuschle, Kurt W.	Pub. Health & Prev. Med.	86
Diamond, Henry D.	Medicine	65
Diamond, Monroe T.	Medicine	67

Diehl, Carolyn H.	Medicine.	67
Diethelm, Arnold G.	Surgery.	93
Diethelm, Oskar.	Psychiatry.	84
Dietzel, Herbert A.	Obstetrics & Gynecology.	75
DiLeo, Joseph H.	Pediatrics.	80
Di Lorenzo, James D.	Surgery.	94
Dillon, Thomas F.	Obstetrics & Gynecology.	75
Dineen, Joseph P.	Surgery.	93
Dineen, Peter.	Surgery.	91
Doherty, John.	Surgery.	92
Donohue, John P.	Surgery.	93
Dooley, Samuel W.	Pediatrics.	80
Dougherty, John W.	Medicine.	66
Douglas, Kenneth R.	Surgery.	93
Douglas, R. Gordon.	Obstetrics & Gynecology.	74
Doyle, Thomas L., Jr.	Psychiatry.	84
Draper, John W.	Surgery (Urology).	91
Dressler, Margaret.	Pub. Health & Prev. Med.	87
Drew, J. Edwin.	Surgery.	91
Dring, Thomas J.	Surgery.	92
DuBois, Robert O.	Pediatrics.	80
Duchesneau, Paul M.	Radiology.	89
Duley, Wade.	Surgery.	92
Dunbar, Howard S.	Surgery.	92
Dunlap, Edward A., III.	Surgery (Ophthalmology).	92
Dunning, Henry S.	Medicine (Neurology).	65
du Vigneaud, Vincent.	Biochemistry.	63
Dworetzky, Murray.	Medicine; Pub. Health & Prev. Med.	66; 86
Dye, Robert E.	Medicine.	69
Eaton, David A.	Surgery.	93
Eckardt, Lisgar B.	Medicine.	67
Eckardt, Robert E.	Medicine.	67
Eckel, John H.	Surgery.	91
Ecker, Roger R.	Surgery.	93
Edelman, P. Michael.	Medicine.	69
Edwards, Dayton J.	Physiology (Emeritus).	12
Egan, George F.	Surgery.	91
Eggleston, Cary.	Medicine (Emeritus).	12
Ehlers, Kathryn H.	Pediatrics.	81
Ehrlich, George E.	Medicine.	67
Eichenholtz, Sidney.	Surgery.	92
Eichenwald, Heinz F.	Pediatrics.	79
Eisenmenger, William J.	Medicine.	66
Ellis, John T.	Pathology; Surgery.	78; 91
Ellison, Rose-Ruth.	Medicine.	66
Engle, Mary Allen.	Pediatrics.	79
Engle, Ralph L., Jr.	Medicine.	65
Epp, Edward R.	Sloan-Kettering (Biophysics).	105
Epstein, Nathan.	Pediatrics.	80
Erdman, Albert J., Jr.	Medicine.	66

Erlandson, Marion E.	Pediatrics	80
Erlanger, Herbert L.	Surgery	92
Esakof, Ernest R.	Medicine	67
Escher, George C.	Medicine	66
Eschwege, John	Surgery	93
Eskenazi, Doris K.	Pediatrics	80
Evans, John A.	Radiology	89
Evans, John W.	Medicine	69
Ewing, James H.	Pub. Health & Prev. Med.	87
Fadden, Francis J.	Surgery	92
Faegenburg, David	Radiology	89
Falk, Emil A.	Medicine	67
Farmer, Lawrence	Medicine	67
Farr, Hollon W.	Surgery	93
Farrar, John T.	Medicine	66
Farrow, Joseph H.	Surgery	93
Feder, Aaron	Medicine	65
Ferguson, G. Renee	Psychiatry	84
Ferraro, Thomas J.	Surgery	92
Ferry, Andrew P.	Surgery	93
Fiedler, George A.	Surgery (Urology)	92
Filippone, Ames	Surgery	93
Finby, Nathaniel	Radiology	89
Finkbeiner, John A.	Medicine	66
Finn, William F.	Obstetrics & Gynecology	74
Fish, Barbara	Pediatrics; Psychiatry	80; 84
Fitch, Naomi	Anatomy	62
Flach, Frederic F.	Psychiatry	84
Fleetwood, M. Freile	Psychiatry	84
Fleischmann, Edgar P.	Surgery	92
Flynn, John T.	Medicine	67
Focht, Elizabeth F.	Radiology (Physics)	89
Foley, William T.	Medicine	65
Foote, Frank W., Jr.	Sloan-Kettering (Pathology)	106
Foote, Franklin M.	Pub. Health & Prev. Med.	87
Forkner, Claude E.	Medicine	65
Fortner, Joseph	Surgery	93
Fountain, Gerard	Psychiatry	84
Fox, Jack J.	Sloan-Kettering (Biochemistry)	104
Fracchia, Alfred A.	Surgery	94
Franklin, John E.	Pediatrics	80
Frazell, Edgar L.	Surgery	93
Frederick, William C.	Surgery	93
Freiberger, Robert H.	Radiology	89
Freiman, Alvin H.	Medicine	67
Frey, Charles F.	Surgery	93
Freyberg, Richard H.	Medicine	65
Friend, Charlotte	Sloan-Kettering (Biology)	105
Friess, Constance	Medicine	66
Frimpter, George L.	Medicine	68

Fukushima, David K.	Sloan-Kettering (Biochemistry)	104
Fuller, Frederick W.	Surgery	93
Fulmer, Hugh S.	Pub. Health & Prev. Med.	87
Furth, Eugene D.	Medicine	69
Gabel, Milton	Surgery	92
Gagnon, Pierre P.	Surgery	93
Galin, Miles A.	Surgery	92
Gallagher, Thomas F.	Sloan-Kettering (Biochemistry)	104
Gandy, Hortense M.	Medicine	68
Garrick, Thomas J.	Surgery	92
Gaughan, Edmund	Pharmacology	82
Gause, Ralph W.	Obstetrics & Gynecology	74
Gee, Russell O.	Surgery	92
Geiger, J. Theodore	Surgery	92
Geller, William	Medicine	66
Genvert, Harold	Surgery	92
Geohegan, William A.	Anatomy	62
Gepfert, Randolph	Obstetrics & Gynecology	74
Gerold, Frank R.	Surgery	94
Gersh, Marvin J.	Pediatrics	80
Gerson, Martin J.	Psychiatry	84
Giebisch, Gerhard	Physiology	83
Gilder, Helena	Biochemistry; Surgery	63; 92
Gillette, Ronald W.	Surgery	92
Gilroy, Francis J.	Medicine	67
Ginsburg, Selig M.	Medicine	67
Giorgi, Elsie A.	Medicine	66
Gittler, Robert D.	Medicine	67
Given, William P.	Obstetrics & Gynecology	74
Glassman, Oscar	Obstetrics & Gynecology	74
Glenn, Frank	Surgery	91
Glenn, Robert L.	Medicine	68
Glynn, Martin J.	Pediatrics	80
Goebel, David	Medicine	67
Goff, Byron H.	Obstetrics & Gynecology (Emeritus)	12
Golbey, Robert B.	Medicine	67
Gold, Harry	Pharmacology	82
Goldberg, Henry P.	Pediatrics	80
Goldsmith, Edward I.	Surgery	92
Goldstein, Leo S.	Medicine	68
Goldstein, Oscar E.	Medicine	67
Goldstein, Sidney	Medicine	69
Golfinos, Argyrios J.	Pharmacology	82
Goodell, Helen	Medicine	68
Goodner, John T.	Surgery	94
Goodrich, Charles H.	Medicine	67
Goodyear, Stephen	Psychiatry	84
Gordon, Amirav	Medicine	68
Gordon, Dan M.	Surgery (Ophthalmology)	92
Goss, Mary E. W.	Medicine	67

Goulian, Dicran, Jr.	Surgery	92
Grafe, William R.	Surgery	93
Greeley, Arthur V.	Obstetrics & Gynecology	74
Green, James L.	Surgery	94
Green, Richard S.	Psychiatry	84
Green, Saul	Medicine	67
Greenacre, Phyllis	Psychiatry	84
Greenberg, Milton	Surgery	92
Greenberg, Sidney M.	Medicine	65
Greif, Roger L.	Physiology	83
Grimm, Elaine	Obstetrics & Gynecology	74
Groch, Sigmund N.	Medicine	66
Guarano, Rosalie M.	Pediatrics	80
Guenard, Eugene J.	Surgery	92
Guida, Peter M.	Surgery	93
Guion, Connie M.	Medicine (Emeritus)	12
Gurd, Frank, R. N.	Biochemistry	63
Guthrie, Keith O., Jr.	Medicine	68
Guthrie, Thomas C.	Medicine	68
Hadley, Susan J.	Medicine	66
Hagamen, Wilbur D.	Anatomy	62
Hall, Theodore	Sloan-Kettering (Biophysics)	105
Halsey, Hugh, II.	Obstetrics & Gynecology	75
Hamilton, Charles K.	Surgery	92
Hamilton, Francis J.	Psychiatry	84
Hamilton, Leonard D.	Medicine	66; 105
Hanley, Marshall J.	Medicine	68
Hanlon, Lawrence W.	Associate Dean; Anatomy	10; 62
Hanson, Maury L.	Surgery	93
Haralambie, James Q.	Pediatrics	80
Harding, John S.	Psychiatry	84
Harrar, James A.	Obstetrics & Gynecology (Emeritus)	12
Harrington, Helen	Pediatrics (Emeritus)	12
Harris, George S.	Pediatrics	80
Harris, John J.	Sloan-Kettering (Biology)	105
Harris, Stanley L.	Surgery	93
Harrold, Charles C., Jr.	Surgery	94
Harvey, J. Paul	Surgery	92
Hatterer, Lawrence J.	Psychiatry	84
Hauser, Edwin T.	Medicine	65
Hauser, Louis A.	Medicine	68
Hausman, Louis	Medicine (Neurology) (Emeritus)	12
Hawks, Graham G.	Obstetrics & Gynecology	74
Hay, Elizabeth D.	Anatomy	62
Hayes, John H.	Surgery	93
Hayt, David	Radiology	89
Haywa, E. William	Obstetrics & Gynecology	75
Hébert, Bernard L.	Psychiatry	85
Heimann, Walter G.	Radiology	89
Heimer, Ralph	Medicine	67

Heimoff, Leonard L.	Medicine	68
Heinzen, Bruce	Surgery	92
Hellman, Leon D.	Medicine	65
Helpern, Herman G.	Medicine	68
Helpern, Milton	Medicine; Pathology	66; 78
Hempling, Harold	Physiology	83
Henscke, Ulrich K.	Radiology	89
Herbert, Philip S.	Psychiatry	84
Hersh, Alexander	Surgery	92
Hertz, Ralph E. L.	Surgery	94
Hierholzer, Christel	Pharmacology	82
Hierholzer, Klaus H.	Physiology	83
Higinbotham, Norman L.	Surgery	93
Hilgartner, Margaret W.	Pediatrics	80
Hinkle, Lawrence E., Jr.	Medicine; Psychiatry	65; 84
Hinsey, Joseph C.	Director; Anatomy	8; 62
Hirsch, Charles H.	Obstetrics & Gynecology	75
Hirsch, Robert L.	Pathology	78
Hobby, Gladys L.	Pub. Health & Prev. Med.	87
Hobson, Lawrence B.	Medicine	68
Hochman, Raymond B.	Medicine	68
Hochstein, Elliot	Medicine	65
Hoffman, Charles	Obstetrics & Gynecology	75
Hoffman, Ingeborg	Pediatrics	80
Hollander, Alvin	Microbiology & Immunology	73
Holleb, Arthur I.	Surgery	94
Holman, Cranston W.	Surgery	91
Holman, James M.	Surgery	92
Holswade, George R.	Surgery	91
Honig, Edward I.	Medicine	68
Hoover, Walter B.	Surgery	92
Hopper, Mary Ellen	Medicine	68
Horger, Eugene L.	Medicine	66
Horwich, David	Surgery	92
Horwith, Melvin	Medicine	65
Hoskins, Donald W.	Medicine	69
Houde, Raymond W.	Medicine	66
Howe, Suzanne A. L.	Surgery	92
Howland, William	Surgery	93
Huebner, Robert D.	Medicine	68
Humphreys, Gustavus A.	Surgery (Urology)	92
Hughes, Charles C.	Psychiatry	84
Hughes, Jane M.	Psychiatry	85
Hunt, Frederick C.	Pediatrics	80
Hunt, Richard E.	Surgery	93
Hurwitz, Lewis J.	Medicine	68
Hutchison, Dorris J.	Sloan-Kettering (Biology)	105
Hutner, Arthur I.	Radiology	89
Ingram, William T.	Pub. Health & Prev. Med.	86
Isaacs, Norman J.	Medicine	68

Ito, Susumu.....	Anatomy.....	62
Ito, Tomiko.....	Pediatrics.....	80
Ivancic, Radovan.....	Medicine.....	68
Jacobs, Rita G.....	Surgery.....	94
Jacobsen, Leif Y.....	Medicine.....	68
Jacobson, Abraham S.....	Medicine.....	66
Jacquez, John A.....	Sloan-Kettering (Biology).....	105
Jandaghi, Mehdi.....	Surgery.....	93
Janulis, Peter T.....	Psychiatry.....	84
Jaslowitz, Bernard.....	Medicine.....	68
Jaspin, George.....	Radiology.....	89
Jeffries, Graham H.....	Medicine.....	68
Jenkins, David E.....	Medicine.....	69
Jensen, D. Rees.....	Surgery.....	92
Jernigan, Thomas P.....	Medicine.....	68
Johanning, Paul W.....	Surgery.....	93
Johnson, Donald G.....	Obstetrics & Gynecology.....	74
Johnson, George, Jr.....	Surgery.....	92
Johnson, Vansel S.....	Surgery.....	92
Jonas, A. Garland, Jr.....	Obstetrics & Gynecology.....	75
Jones, Don P.....	Medicine.....	69
Jordahl, Clarence W., Jr.....	Medicine.....	68
Joyner, Edmund N., III.....	Pediatrics.....	80
Kakehi, Yasuo.....	Surgery.....	93
Kammerer, William H.....	Medicine.....	66
Kane, Francis D.....	Psychiatry.....	84
Kaplan, Lawrence I.....	Medicine.....	68
Kara, Anna.....	Medicine.....	68
Karl, Richard C.....	Surgery.....	92
Karmason, Marilyn G.....	Psychiatry.....	84
Karnofsky, David A.....	Medicine.....	65
Kassebaum, Gene G.....	Medicine.....	67
Katz, J. Harry.....	Medicine.....	68
Kauer, George L.....	Medicine.....	65
Kauer, Joseph T.....	Surgery.....	92
Kaufman, Ira H.....	Surgery.....	92
Kaye, Donald.....	Medicine.....	68
Kean, B. H.....	Medicine; Pub. Health & Prev. Med.....	65; 87
Kearney, Edward.....	Pediatrics.....	80
Keefer, Edward B. C.....	Surgery.....	92
Kelley, Samuel F.....	Surgery (Otolaryngology).....	91
Kellner, Aaron.....	Pathology.....	78
Kelly, James T.....	Surgery.....	92
Kelly, LeMoyne C.....	Medicine.....	66
Kent, Ann P.....	Obstetrics & Gynecology; Pub. Health & Prev. Med.....	74; 87
Kerr, M. Dorothea.....	Psychiatry.....	84
Kessler, Richard H.....	Physiology.....	83
Keuhnelian, John.....	Surgery.....	93
Kidd, John G.....	Pathology.....	78

Kilbourne, Edwin D.	Pub. Health & Prev. Med.	86
Killip, Thomas, III	Medicine	66
Kimball, Kent	Medicine	69
Kimbrough, Raymond DeVan, Jr.	Biochemistry	64
Kirkham, Frederic T., Jr.	Medicine	66
Kirkland, Henry B.	Medicine	66
Klebanoff, Seymour G.	Psychiatry	84
Klingon, Gerald H.	Medicine	66
Knapp, Robert C.	Obstetrics & Gynecology	75
Knehr, Charles A.	Psychiatry	84
Knight, McGregor	Radiology	89
Koenig, Hedwig	Pediatrics	80
Koenig, M. Glenn	Medicine	68
Koeze, Thomas	Medicine	69
Kohl, Richard N.	Psychiatry	84
Koltun, Walter L.	Biochemistry	64
Korenman, Stanley G.	Medicine	69
Korsch, Barbara M.	Pediatrics	80
Koss, Leopold G.	Sloan-Kettering (Pathology)	106
Koteen, Herbert	Medicine	66
Koteen, Phyllis H.	Pediatrics	80
Kotsevalov, Olga	Pediatrics	80
Koven, Bernard	Medicine	68
Kowlessar, O. Dhodanand	Medicine	68
Kozam, Robert L.	Medicine	68
Krakoff, Irwin	Medicine	66
Kramer, Elmer E.	Obstetrics & Gynecology	74
Kramer, Milton L.	Medicine	65
Kugler, Margaret M.	Pediatrics	80
Kupfer, Sherman	Physiology	83
Kutt, Henn	Medicine	68
LaBua, Leonard A.	Obstetrics & Gynecology	75
LaDue, John S.	Medicine	65
Lake, Michael	Medicine	67
LaMar, Norvelle C.	Psychiatry	84
Lambrew, Costas T.	Medicine	69
Lampe, Ernest W.	Anatomy; Surgery	62; 91
Lance, Eugene M.	Surgery	93
Landesman, Robert	Obstetrics & Gynecology	74
Landolt, Allison B.	Psychiatry	85
Langner, Thomas S.	Psychiatry	84
Langstadt, John R.	Obstetrics & Gynecology	75
Larsen, Martha	Medicine	68
Laufer, Ludwig	Psychiatry	84
Laughlin, John S.	Sloan-Kettering (Biophysics)	105
Laurence, Kenneth A.	Microbiology & Immunology	73
Lavengood, Russell W.	Surgery	92
Lavoie, Raynald	Surgery	93
Law, David H.	Medicine	68

Lawrence, Jerome.....	Surgery.....	93
Lawrence, Walter E., Jr....	Surgery.....	94
Leahy, Edward B.....	Surgery.....	93
Leder, Harold L.....	Medicine.....	68
Lee, Richard E.....	Medicine.....	67
Lee, Robert E.....	Medicine.....	68
Lee, T. David, Jr.....	Medicine.....	69
Leighton, Alexander H.....	Psychiatry.....	84
Leighton, Dorothea G.....	Psychiatry.....	84
Lemcke, Dorothea.....	Medicine.....	68
Lese, Leo R.....	Medicine.....	69
Levine, Leon I.....	Medicine.....	67
Levine, Milton I.....	Pediatrics.....	80
Levine, Milton L.....	Medicine.....	68
Levine, Robert A.....	Medicine.....	69
Levine, Samuel Z.....	Pediatrics.....	79
Levine, Sidney A.....	Pediatrics.....	81
Levy, Bruce C.....	Medicine.....	68
Lewis, Charles M.....	Medicine.....	68
Lewis, George M.....	Medicine (Dermatology).....	65
Lewis, John S.....	Surgery.....	94
Lewis, Ralph J.....	Surgery.....	93
Lewisohn, Marjorie.....	Medicine.....	68
Ley, Allyn B.....	Medicine.....	65
Liang, Edward Y.....	Psychiatry.....	85
Lichtman, Sol S.....	Medicine.....	67
Lieberman, Jerrold S.....	Medicine.....	68
Liebolt, Frederick L.....	Surgery (Orthopedics).....	91
Lim, Wan N.....	Pediatrics.....	80
Lincoln, Asa L.....	Medicine (Emeritus).....	12
Linder, Francis.....	Surgery.....	93
Lindkvist, Anne-Kristin....	Obstetrics & Gynecology.....	75
Lintz, Robert M.....	Medicine.....	67
Lipkin, Mack.....	Medicine.....	67
Lipkin, Martin.....	Medicine.....	68
Llewellyn-Thomas, Edward R.	Psychiatry.....	84
Loery, William.....	Pub. Health & Prev. Med.....	87
London, William T.....	Medicine.....	69
Longaker, Alice L.....	Psychiatry.....	85
Longaker, William D.....	Psychiatry.....	84
Loring, Marvin.....	Radiology.....	89
Loseke, Lucile.....	Surgery.....	94
Louria, Donald B.....	Medicine.....	68
Loveless, Mary H.....	Medicine (Allergy).....	65
Lowery, Howard W.....	Surgery.....	93
Lucas, John C.....	Surgery.....	94
Luckey, E. Hugh.....	Medicine.....	65
Luger, Morton M.....	Medicine.....	68
Lukas, Daniel S.....	Medicine.....	65
MacFee, William F.....	Surgery (Emeritus).....	12

MacLeod, John.....	Anatomy.....	62
Magida, Melville G.....	Medicine; Pediatrics.....	80; 68
Magruder, George B.....	Surgery.....	93
Maisel, Bernard.....	Surgery.....	92
Mamelok, Alfred E.....	Surgery.....	93
Mann, Edward C.....	Obstetrics & Gynecology.....	74
Mannix, Henry L.....	Surgery.....	93
Marbury, Benjamin E.....	Surgery; Obstetrics & Gynecology...	74; 91
March, James E.....	Anatomy.....	62
Marchand, John F.....	Medicine; Psychiatry.....	68; 84
Marchisello, Peter J.....	Surgery.....	93
Marciano, Mark R.....	Medicine.....	68
Marcus, Aaron J.....	Medicine.....	68
Marcus, Cyril C.....	Obstetrics & Gynecology.....	75
Markham, Mary H.....	Surgery.....	93
Marple, Charles D.....	Medicine.....	67
Marquis, James.....	Radiology.....	89
Marshall, Florence N.....	Pediatrics.....	80
Marshall, Victor F.....	Surgery (Urology).....	91
Martens, Frederick W.....	Obstetrics & Gynecology.....	75
Martin, Kirby A.....	Medicine.....	67
Master, Jer M.....	Pediatrics.....	80
Mascia, Armond V.....	Pediatrics.....	80
Masterson, James F., Jr.....	Psychiatry.....	84
Mastrovito, Rene C.....	Psychiatry.....	85
Mayer, Klaus.....	Medicine.....	68
Mayer, Victor.....	Surgery.....	92
Mazur, Abraham.....	Medicine.....	67
Mazzia, Valentino B.....	Obstetrics & Gynecology; Surgery...	74; 92
McAuliffe, Gervais W.....	Surgery (Otolaryngology).....	91
McCarroll, James R.....	Pub. Health & Prev. Med.....	87
McCombs, A. Parks.....	Medicine.....	67
McCormack, Richard R.....	Medicine.....	67
McCully, Robert S.....	Psychiatry.....	85
McCune, Robert M., Jr.....	Pub. Health & Prev. Med.....	87
McDermott, Walsh.....	Pub. Health & Prev. Med.....	86
McDevitt, Ellen.....	Medicine.....	67
McDowell, Fletcher H.....	Medicine.....	67
McGovern, John H.....	Surgery.....	92
McGovern, Robert G.....	Pediatrics.....	80
McGowan, Frank J.....	Surgery.....	92
McGowan, Lillian E.....	Psychiatry.....	84
McGrath, John F.....	Psychiatry.....	84
McGrath, Neva E.....	Medicine.....	68
McIlveen, Marion.....	Pediatrics.....	80
McKnight, William K.....	Psychiatry.....	84
McLane, Charles M.....	Obstetrics & Gynecology.....	74
McLarn, William D.....	Obstetrics & Gynecology.....	75
McLean, Alan A.....	Psychiatry.....	84
McLean, John M.....	Surgery (Ophthalmology).....	91

McLellan, Allister M.	Surgery (Urology)	91
McLellan, Frederick C.	Surgery (Urology)	92
McLeod, George H.	Surgery	93
McLemore, George A., Jr.	Medicine	68
McNamara, Helen	Pediatrics	80
McNeer, Gordon	Surgery	94
McPeak, Charles J.	Surgery	94
McSherry, Charles K.	Surgery	93
Mead, Allen W.	Medicine	68
Mead, John J., III	Medicine	68
Meisler, Arnold I.	Medicine	69
Melchionna, Robert H.	Medicine	67
Melnick, Robert E.	Obstetrics & Gynecology	75
Melville, Donald B.	Biochemistry	63
Mendelson, Curtis L.	Obstetrics & Gynecology	74
Mercado, Esmeralda A.	Surgery	93
Merin, Robert G.	Surgery	93
Merker, Philip	Sloan-Kettering (Biology)	105
Merselis, John G., Jr.	Medicine	69
Meurk, Mary	Sloan-Kettering	106
Michael, Stanley T.	Psychiatry	84
Middleton, Richard G.	Surgery	93
Milhorat, Ade T.	Medicine	65
Miller, Ann H.	Surgery	94
Miller, Daniel G.	Medicine	68
Miller, Raymond E.	Medicine	68
Miller, Theodore R.	Surgery	94
Millstein, Gerald J.	Surgery	93
Miscall, Laurence	Surgery	92
Mitty, Virginia C.	Pediatrics	81
Modell, Walter	Pharmacology	92
Moffitt, Francis X.	Obstetrics & Gynecology	75
Moghazeh, Morteza	Pediatrics	80
Molander, David W.	Medicine	68
Monahan, George R.	Surgery	93
Money, William L.	Sloan-Kettering (Biology)	105
Montemarano, Peter J.	Surgery	93
Moody, Frank G.	Surgery	93
Moore, Alice E.	Sloan-Kettering (Biology)	105
Moore, James A.	Surgery (Otolaryngology)	91
Moore, Oliver S.	Surgery	94
Moore, S. W.	Surgery	91
Morgenthau, Joan E.	Pediatrics	80
Morrill, Charles V.	Anatomy (Emeritus)	12
Morrison, Myles G., Jr.	Obstetrics & Gynecology	75
Mueller, George C.	Surgery	93
Mujahed, Zuheir	Radiology	89
Muller, Jurg	Medicine	68
Munroe, William G. C.	Medicine	69
Murphy, George E.	Pathology	78

Murphy, M. Lois	Pediatrics	80
Murphy, Willis A.	Medicine	68
Murti, V. V. S.	Biochemistry	64
Muschenheim, Carl	Medicine	65
Myers, W. P. Laird	Medicine	65
Nathanson, Bernard	Obstetrics & Gynecology	75
Nathanson, Joseph N.	Obstetrics & Gynecology	74
Needleman, Gerald	Radiology	89
Negrin, Juan	Surgery	93
Neill, James M.	Microbiology & Immunology	73
Nelson, William J.	Surgery	93
Neporent, Lewis M.	Medicine	69
Nestler, Warren P.	Medicine	68
New, Elizabeth V.	Pediatrics	81
New, Maria I.	Pediatrics	80
Nicholas, James A.	Surgery	92
Nickel, William F., Jr.	Surgery	91
Nickson, James J.	Radiology	89
Nolen, William A.	Surgery	93
Norsa, Luigia	Medicine	68
Notterman, Rebecca F.	Pediatrics	81
Noyes, Wilbur F.	Sloan-Kettering (Biology)	105
Nydick, Irwin	Medicine	68
Nydick, Martin	Medicine	69
O'Brien, Thomas F., Jr.	Medicine	69
O'Donnell, Walter	Sloan-Kettering (Prev. Med.)	107
Ogden, David	Medicine	68
Ogilvie, John B.	Surgery	93
Okinaka, Arthur J.	Surgery	93
Olcott, Charles T.	Pathology (Emeritus)	12
Oljenick, Ignaz W.	Medicine (Neurology)	69
Ollstein, Philip	Pub. Health & Prev. Med.	87
O'Neill, Earl A.	Surgery	93
Opie, Eugene L.	Pathology (Emeritus)	12
Oppel, Theodore W.	Medicine	65
O'Regan, Charles H.	Pediatrics	80
Ortega, Louis G.	Sloan-Kettering (Pathology)	106
Owen, William S.	Surgery	93
Pachter, Maurice	Psychiatry	84
Pack, George T.	Surgery	93
Papanicolaou, George	Anatomy (Emeritus)	12
Parsons, Herbert	Surgery	91
Parsons, Thomas C.	Medicine	68
Patterson, Marjorie B.	Medicine	68
Patterson, Robert L.	Surgery (Orthopedics)	91
Patterson, Russel H.	Surgery (Emeritus)	12
Patterson, Russel H., Jr.	Surgery	93
Pauls, Henry	Surgery	93
Payne, Mary Ann	Medicine	65
Peabody, George E.	Medicine	68

Pearce, Charles W.	Surgery	93
Pearce, John M.	Pathology; Surgery	78; 91
Pearson, Olof H.	Medicine	65
Penick, Sydnor B.	Medicine	68
Peretz, Walter L.	Surgery	93
Perrone, Francis S.	Medicine	68
Perry, Robert S.	Surgery	93
Petermann, Mary L.	Sloan-Kettering (Biochemistry)	104
Peterson, John E.	Surgery	93
Peterson, Ralph E.	Medicine	65
Philips, Frederick S.	Sloan-Kettering (Biology)	105
Phillips, Ralph F.	Radiology	89
Pickett, Elisabeth P.	Surgery	94
Pierce, Virginia K.	Obstetrics & Gynecology	75
Pike, Eric	Pathology	78
Pitts, Robert F.	Physiology	83
Platt, M. A.	Obstetrics & Gynecology	75
Plummer, Norman	Medicine	67
Poker, Nathan	Radiology	89
Pomeranz, Virginia E.	Pediatrics	80
Pool, J. Lawrence	Surgery	94
Poppell, James W.	Medicine	67
Porter, Marilyn G.	Pediatrics	80
Potor, Aurelia	Medicine	68
Pritchett, R. A. Rees	Medicine	67
Prout, Curtis T.	Psychiatry	84
Prunier, John H.	Medicine	68
Puleo, Anthony J.	Surgery	93
Pullman, Ira	Sloan-Kettering (Biophysics)	105
Quan, Stuart H. Q.	Surgery	94
Rabiner, S. Frederick	Medicine; Pediatrics	80; 68
Rachele, Julian R.	Biochemistry	63
Rackow, Leon L.	Psychiatry	84
Randall, Henry T.	Surgery	93
Rawson, Rulon W.	Medicine	65
Ray, Bronson S.	Surgery	91
Reader, George G.	Medicine	65
Reading, George P.	Surgery	93
Redo, S. Frank	Surgery	92
Reese, Martha K.	Psychiatry	84
Reilly, H. Christine	Sloan-Kettering (Biology)	105
Reilly, James A.	Medicine	68
Reilly, Joseph F.	Pharmacology; Psychiatry	84; 82
Reisch, Milton	Medicine	68
Reiss, Sanford M.	Medicine	68
Renfert, Henry, Jr.	Associate Dean; Medicine	10; 67
Rengel, Ricardo E.	Surgery	93
Rennie, Laurie	Medicine	68
Ressler, Charles	Medicine	68
Reznikoff, Paul	Medicine	65

Rhoads, Cornelius P.	Sloan-Kettering (Biology)	105
Richard, Jack	Medicine	68
Richardson, Eric C.	Surgery	92
Richter, Goetz W.	Pathology	78
Rigney, Thomas G.	Medicine	68
Riker, Walter F., Jr.	Pharmacology	82
Riley, Edgar A.	Medicine	67
Ring, Edward M.	Surgery	93
Rinzler, Seymour H.	Medicine	68
Rizzo, Peter C.	Surgery (Orthopedics)	92
Robbins, Guy F.	Surgery	94
Robbins, Philip S.	Psychiatry	84
Robbins, William C.	Medicine	68
Roberts, Jay	Pharmacology	82
Roberts, Richard W.	Medicine	69
Roberts, Thomas N.	Medicine	67
Robertson, Theodore	Pathology	78
Rockwell, Fred V.	Psychiatry	84
Rodriguez, Rafael O.	Medicine	68
Rogers, Waid	Surgery	93
Rogoff, Bernard	Medicine	68
Rogoff, Julius L.	Medicine	68
Rose, John F.	Surgery	93
Rose, Martin E.	Surgery	93
Roseman, David M.	Medicine	67
Rosenberg, George	Psychiatry	84
Rosenbluth, Michael A.	Pub. Health & Prev. Med.	87
Rosenfeld, Isadore	Medicine	68
Rosenfeld, Robert S.	Sloan-Kettering (Biochemistry)	104
Ross, Leonard	Anatomy	62
Rothbard, Sidney	Medicine	65
Rubin, Albert L.	Medicine	65
Rudd, Emmanuel	Medicine	68
Rueggsegger, Paul	Medicine	68
Rundle, Frank L.	Psychiatry	85
Ruskin, Richard A.	Obstetrics & Gynecology	74
Ryan, Samuel F.	Obstetrics & Gynecology	75
Sackett, Nelson B.	Obstetrics & Gynecology	74
Salamon, Ivan L.	Sloan-Kettering	104
Salser, Josephine	Sloan-Kettering (Biochemistry)	104
Samartzis, Miltiades D.	Medicine	68
Samuels, Bernard R.	Surgery (Ophthalmology) (Emeritus)	12
Santos Buch, Charles A.	Pathology	78
Scanlan, Theresa	Medicine	68
Schaefer, George	Obstetrics & Gynecology	74
Schaffer, Shirley	Psychiatry	85
Schattner, Joseph D.	Medicine	68
Schehr, Claire A.	Surgery	93
Scherr, Lawrence	Medicine	68
Schmidt, John G.	Surgery (Orthopedics)	92

Schnack, George F.	Psychiatry	85
Schneider-de Quervain, Conrad H.	Biochemistry	64
Schnittman, Morris.	Surgery	93
Schoelly, Marie-Louise.	Psychiatry	85
Schreiber, Howard.	Pediatrics	81
Schrier, Robert I.	Surgery	93
Schulman, Jerome L.	Pub. Health & Prev. Med.	87
Schultz, Donald E.	Psychiatry	85
Schuyler, Leonard.	Medicine	68
Schwartz, Ernest.	Medicine	68
Schwartz, Irving.	Radiology	89
Schwartz, Morton K.	Sloan-Kettering (Biochemistry)	104
Schweizer, Olga.	Surgery	94
Scott, Robert B.	Medicine	69
Seal, Samuel.	Radiology	89
Selby, Henry M.	Radiology	89
Seligmann, Arthur W.	Medicine	68
Seybolt, John F.	Pathology	78
Shafer, Donald M.	Surgery (Ophthalmology)	92
Shalhoub, Robert J.	Physiology	83
Shapiro, Bettison E.	Anatomy	62
Sheard, Charles.	Medicine	68
Shepard, Edward M.	Medicine	68
Sherlock, Paul.	Medicine	68
Sherman, Robert S.	Radiology	89
Sherwin, Albert C.	Psychiatry	84
Shibuya, Madoka.	Pediatrics	80
Shinefield, Henry R.	Pediatrics	80
Shippey, Sarah S.	Biochemistry	64
Shofer, J. Robert.	Medicine	69
Shuttleworth, Anne M.	Psychiatry	85
Sierp, Michael.	Surgery	93
Silver, Richard T.	Medicine	68
Silverman, Frederick.	Obstetrics & Gynecology	75
Silverman, Gerald M.	Medicine	68
Sim, R. P.	Pub. Health & Prev. Med.	87
Simons, Donald J.	Medicine	66
Sinclair, Harry A.	Medicine	68
Skelton, Jay B.	Obstetrics & Gynecology	75
Skudder, Paul A.	Surgery	93
Slater, Beatrice S.	Pediatrics	80
Slautterback, D. B.	Anatomy	62
Sleisenger, Marvin H.	Medicine	66
Smillie, Wilson G.	Pub. Health & Prev. Med. (Emeritus) ..	12
Smith, Carl H.	Pediatrics	79
Smith, Erwin F.	Obstetrics & Gynecology	74
Smith, Frank R.	Obstetrics & Gynecology	74
Smith, Frederic W.	Medicine	68
Smith, J. James.	Medicine	66

Smith, James W.	Surgery	93
Smith, Joanne R.	Surgery	94
Smith, John R.	Medicine	68
Smith, Martha L.	Pediatrics	80
Smith, Thomas H.	Psychiatry	85
Snyder, Charles T.	Obstetrics & Gynecology	74
Snyder, Ruth E.	Radiology	89
Snyder, Stuart S.	Surgery (Ophthalmology)	92
Snyderman, Reuven K.	Surgery	94
Sonenberg, Martin	Medicine	66
Sonkin, Lawrence S.	Medicine	68
Southam, Chester M.	Medicine	66
Spatz, Martin	Surgery	93
Speer, David S.	Surgery	93
Spielman, Aaron D.	Medicine	68
Spohn, Herbert E.	Psychiatry	85
Spoor, Herbert J.	Medicine	68
Spritz, Norton	Medicine	68
Sproul, John D.	Obstetrics & Gynecology	75
Spyropoulos, Efthimios.	Radiology	89
Standaert, Frank G.	Pharmacology	82
Stanton, Edward F.	Obstetrics & Gynecology	75
Stearns, Maus W., Jr.	Surgery	94
Steadman, E. Thomas	Obstetrics & Gynecology	75
Stein, Arthur O.	Pediatrics	81
Steinberg, Herman	Medicine	68
Steinberg, Israel	Medicine; Radiology	67; 89
Stern, Gertrude S.	Pediatrics	80
Sternberg, Stephen S.	Sloan-Kettering (Pathology)	106
Stenzel, Kurt H.	Medicine	69
Stevens, Alexander R.	Surgery (Urology) (Emeritus)	12
Stevenson, Lewis D.	Medicine (Neurology) (Emeritus)	12
Stewart, Harold J.	Medicine	65
Stillerman, Maxwell	Pediatrics	80
Stimson, Philip M.	Pediatrics (Emeritus)	12
Stock, C. Chester	Sloan-Kettering (Biology)	105
Stokes, Peter E.	Medicine; Psychiatry	68; 85
Stone, David D.	Medicine	69
Stone, Michael	Medicine	69
Stone, Richard W.	Medicine	67
Stouffer, John E.	Biochemistry	64
Straub, Lee R.	Surgery (Orthopedics)	91
Straub, Leonard R.	Psychiatry	85
Street, Charlotte M.	Pathology	78
Strickler, James C.	Medicine; Physiology	68; 83
Struve, John F.	Surgery	93
Stubenbord, William D.	Medicine	67
Sugg, John Y.	Microbiology & Immunology	73
Sullivan, Joseph D.	Psychiatry	84
Sullivan, Louis W.	Medicine	69

Sullivan, Robert D.	Medicine	68
Sutherland, Arthur M.	Medicine	66
Sutton, John E.	Surgery	92
Swan, Roy C.	Anatomy	62
Sweeney, William J.	Obstetrics & Gynecology	74
Swift, Katharine W.	Medicine	68
Sykes, Marguerite	Medicine	67
Syz, Hans	Psychiatry	85
Tamlyn, Thomas T.	Medicine	68
Tan, Charlotte	Pediatrics	80
Taylor, Irwin S.	Surgery	93
Telkka, Antti	Anatomy	62
Teller, Morris	Sloan-Kettering (Biology)	105
Temple, Harold L.	Radiology	89
Ten Eyck, Edward	Radiology	89
Thaw, Frances	Medicine	69
Therhag, Hans G.	Surgery	93
Thompson, David D.	Medicine	66
Thompson, T. Campbell	Surgery (Orthopedics)	91
Thorbjarnarson, Bjorn	Surgery	92
Tiers, Francis M.	Surgery	93
Timpanelli, Alphonse E.	Medicine	66
Todd, Margaret E.	Medicine	67
Tolins, Peter S.	Pediatrics	80
Tollefsen, H. Randall	Surgery	94
Tolstoi, Edward	Medicine	66
Toolan, Helene W.	Sloan-Kettering (Biology)	105
Topkins, Marjorie J.	Obstetrics & Gynecology; Surgery	74; 92
Torre, Douglas P.	Medicine	67
Torsney, Jerome M.	Pediatrics	81
Traeger, Cornelius H.	Medicine	67
Travell, Janet	Pharmacology	82
Tsuboi, Kenneth K.	Pediatrics	80
Tucker, Donald H.	Medicine	69
Tucker, Kenneth F.	Psychiatry	85
Tulenکو, John F.	Surgery	93
Tulin, Maurice	Medicine	68
Twinem, Francis P.	Surgery (Urology)	92
Tyndall, Marian	Medicine	68
Underwood, David G.	Medicine	69
Urban, Jerome A.	Surgery	94
Urivetsky, Morton M.	Pediatrics	80
Usen, Richard	Pub. Health & Prev. Med.	87
Vacirca, Salvatore	Sloan-Kettering	106
Vallee, Lionel	Psychiatry	85
Vallee, Renee	Psychiatry	85
Van Allen, Traer	Psychiatry	85
Vanamee, Parker	Medicine	67
Vandersall, Thornton A.	Pediatrics	81
Vandendriessche, Roger	Medicine	68

Van Dyke, James G.	Sloan-Kettering	106
Van Mater, John S.	Obstetrics & Gynecology	75
Van Poznak, Alan.	Surgery	93
Venet, Louis.	Sloan-Kettering (Prev. Med.)	107
Vogel, F. Stephen.	Pathology; Surgery	78; 91
Voorhees, Philip H.	Surgery	93
Vorhaus, Louis J., II.	Medicine	68
Wade, Preston A.	Surgery	91
Wadsworth, Morton L.	Psychiatry	85
Wagner, Lewis C.	Surgery (Orthopedics)	91
Wainerdi, Harold R.	Medicine	68
Wainwright, William H.	Psychiatry	84
Wald, Milton A.	Medicine	68
Walker, John M.	Surgery	94
Wall, James H.	Psychiatry	84
Wallis, Lila A.	Medicine	68
Walzak, Myron P., Jr.	Surgery	93
Wantz, George E.	Surgery	92
Warenski, James C.	Obstetrics & Gynecology	75
Warner, Nathaniel.	Psychiatry	85
Watson, Robert F.	Medicine	66
Watson, William L.	Surgery	93
Wayne, Henriette.	Psychiatry	85
Webber, William A.	Physiology	83
Webster, Bruce P.	Medicine	66
Weeden, Willis M.	Surgery; Pub. Health & Prev. Med.	87; 93
Weiman, Clinton G.	Medicine	68
Weinberg, Sidney.	Pub. Health & Prev. Med.	87
Weinstein, Haskell J.	Medicine	68
Weiser, Frank M.	Medicine	69
Weiss, Alvah M.	Pediatrics	80
Welch, Livingston.	Psychiatry	84
Wells, Aaron O.	Medicine	68
Wells, Charles E.	Medicine	67
Wells, Marilyn S. (Mrs. Awad)	Medicine	68
Werden, Virginia.	Obstetrics & Gynecology	75
Werner, Charles A.	Medicine	67
Werner, Erwin A.	Medicine	68
Werner, Gerhard.	Pharmacology	82
West, John P.	Surgery	91
Weymuller, Louis E.	Pediatrics	80
Wheatley, Marjorie A.	Pediatrics	80
Wheeler, Charles H.	Medicine	66
White, Stephen.	Radiology	89
Whitmore, Willet F., Jr.	Surgery (Urology)	93
Whitsell, John C.	Surgery	93
Wieche, Robert E.	Obstetrics & Gynecology	75
Wiggans, Roy G.	Surgery	93
Williams, Byard.	Medicine	66

Wilson, Florence A.	Medicine	68
Wilson, Harry D.	Obstetrics & Gynecology	75
Wilson, May G.	Pediatrics (Emeritus)	12
Wilson, Peter G.	Psychiatry	85
Wilson, Philip D.	Surgery (Orthopedics) (Emeritus)	12
Wilson, Philip D., Jr.	Surgery (Orthopedics)	92
Windhager, Erich E.	Physiology	83
Windhager, Helga	Pathology	78
Winick, Myron	Pediatrics	80
Winston, Arnold L.	Medicine	68
Wolff, Harold G.	Medicine (Neurology); Psychiatry	65; 84
Wolfson, Edward A.	Medicine	68
Wong, Sam C.	Pub. Health & Prev. Med.	87
Woodard, Helen Q.	Sloan-Kettering (Biochemistry)	104
Woodard, John R.	Surgery	93
Woods, Kenneth R.	Medicine	67
Woodward, Walter D.	Psychiatry	85
Woolley, George W.	Sloan-Kettering (Biology)	105
Worthington, Edward L.	Medicine	69
Wright, Irving S.	Medicine	65
Wroblewski, Felix	Medicine	67
Wyker, Arthur W., Jr.	Surgery	93
Winder, Ernest L.	Sloan-Kettering (Prev. Med.)	107
Yeager, Robert L.	Medicine (Tuberculosis)	69
Ying, Sai-Hou	Sloan-Kettering (Prev. Med.)	107
Young, Alexander W., Jr.	Medicine	68
Zaccheo, Herbert A.	Obstetrics & Gynecology	75
Zentner, Arnold S.	Psychiatry	85
Zfass, Alvin M.	Medicine	69
Simmon, David S.	Medicine	69
Zipser, Stanley S.	Pediatrics	80
Zisowitz, Milton L.	Pub. Health & Prev. Med.	87
Zucker, Marjorie B.	Sloan-Kettering (Biology)	105
Zucker, Seymour	Medicine	68
Zufall, Robert B.	Surgery	93
Zumoff, Barnett	Medicine	68

SUMMARY OF MEDICAL COLLEGE STAFF

Full Professors	52
Associate Professors	125
Assistant Professors	225
Instructors, Assistants, etc.	647
Total	1049

SUMMARY OF SLOAN-KETTERING DIVISION STAFF

Full Professors	11
Associate Professors	20
Assistant Professors	20
Instructors, Assistants, etc.	5
Total	56

INDEX

- Administration, Officers of, 10
- Admission to Advanced Standing, 45
- Admission Requirements, 42
- Admission, Applications for, 44
- Alpha Omega Alpha, 57
- Alumni Association, 58
- Anatomy, 62
- Bellevue Hospital, 40
- Bequests, Form for, 8
- Biochemistry, 63
- Biophysics, 83
- Bursary for Women Students, 57
- Calendar, 6
- College Advisory Committee, 9
- College Council, 9
- Committees, 11
- Comprehensive Care and Teaching Program, 72
- Educational Policies, 60
- Electives (*see* Lists in Each Department), 61
- Emeritus Professors, 12
- Examinations, 45
- Executive Faculty, 10
- Expenses, 48
- Facilities for Instruction, 38
- Faculty (*see also* Register of Staffs and Lists for Departments), 12
- Fees, 48
- Fellowships, 61
- Forensic Medicine, 71
- Graduation Requirements, 47
- Gynecology, 74
- Health Service, 50
- History of Medical College, 34
- Hospitals Associated with Medical College, 39
- Hospital for Special Surgery, 40
- Immunology, 73
- Instruction, Facilities for, 38
- Instruction, Plan of, 60
- Instruction, Schedule of, 98
- Internship Appointments, 108
- Library, 41
- Loan Funds, 57
- Loomis Laboratory, 40
- Medicine, 65
- Memorial Hospital, 40
- Microbiology, 73
- New York Hospital-Cornell Medical Center, 8, 34
- Obstetrics, 74
- Olin Hall, 49
- Pathology, 78
- Pediatrics, 79
- Pharmacology, 82
- Physiology, 83
- Preventive Medicine, 86
- Prizes, 50
- Promotion (Advancement), 45
- Psychiatry, 84
- Public Health, 86
- Radiology, 89
- Register of Staffs, 117
- Register of Students, 110
- Required Hours, Table of, 97
- Residence Halls, 49
- Russell Sage Institute of Pathology, 41
- Schedule of Instruction, 98
- Scholarships, 53
- Sigma Xi, 58
- Sloan-Kettering Division, 103
- Special Students, 96
- Staffs, Register of (*see also* Faculty and Lists for Departments), 117
- Staff, Summary of, 139
- Students, Register of, 110
- Surgery, 91